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<212> DNA
<213> Homo sapiens

<400> 554

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<212> DNA
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<212> DNA
<213> Homo sapiens

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<210> 559
 <211> 820
 <212> DNA
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<400> 559

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 <212> DNA
 <213> Homo sapiens

<400> 560

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<212> DNA
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<223> n = a,t,c or g

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<211> 1772
<212> DNA
<213> Homo sapiens

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<211> 521
<212> DNA
<213> Homo sapiens

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<211> 840
<212> DNA
<213> Homo sapiens

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<211> 4345
<212> DNA
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 <211> 984
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (984)
 <223> n = a,t,c or g

<400> 566

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<211> 1775
<212> DNA
<213> Homo sapiens

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<213> Homo sapiens
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<212> DNA
<213> *Homo sapiens*

<400> 573

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<212> DNA

<213> Homo sapiens

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<210> 585

<211> 1106
<212> DNA
<213> Homo sapiens

<400> 585

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<210> 587
 <211> 1612
 <212> DNA
 <213> Homo sapiens

<400> 587

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<211> 1124

<212> DNA

<213> Homo sapiens

<400> 588

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<211> 479
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<210> 590
<211> 3015
<212> DNA
<213> *Homo sapiens*

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<213> Homo sapiens
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<211> 2530
<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<212> DNA
<213> *Homo sapiens*

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<213> Homo sapiens
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<211> 1166
<212> DNA
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ggtgaagttt gcccaggcat aggacgttga gaatacaatg cagccccagg ttgtcagcag	1020
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<210> 599
<211> 716
<212> DNA
<213> Homo sapiens

<400> 599

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tcagatgTC	atgAAATGGA	aaAGAAAGCA	catCGGTTGG	gacATTCTA	tctCTGTAGA	480
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ggatgactcg	ctgcAGAGATT	ctaATCACC	aactcattTC	AGGAAGAATA	accAGCCCTT	660
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<210> 600
<211> 802
<212> DNA
<213> Homo sapiens

<400> 600

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<211> 859
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(859)
<223> n = a,t,c or g

<400> 601

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<210> 602
<211> 2047
<212> DNA
<213> Homo sapiens

<400> 602						
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gaactaatca	ggc	aaacaa	tttgc	tttgc	tttgc	1860
tagaaaatc	ctg	aaaca	tttgc	tttgc	tttgc	1920
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2047

<210> 603
<211> 1927
<212> DNA
<213> Homo sapiens

<400> 603

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aaaaaaaa						1927

<210> 604
<211> 630
<212> DNA
<213> Homo sapiens

<400> 604

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<210> 605
<211> 783
<212> DNA
<213> Homo sapiens

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<210> 606
<211> 2513
<212> DNA
<213> Homo sapiens

<400> 606						
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<210> 607
<211> 768
<212> DNA
<213> *Homo sapiens*

<400>	607								
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<210> 608
<211> 698
<212> DNA
<213> Homo sapiens

<400> 608

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<210> 609
<211> 1256
<212> DNA
<213> Homo sapiens

<400> 609

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<210> 610
<211> 417
<212> DNA
<213> Homo sapiens

<400> 610
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<210> 611
<211> 886
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(886)
<223> n = a,t,c or g

<400> 611
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<212> DNA
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acagactact	ggtgccttgg	tgatctgtac	cgggagatgg	tgagatgta	tgtggaaatc	1200
gttggagaagc	ttccagaacg	ccggccagac	ccagctacca	tttgaaggctg	tgctcagcta	1260
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ggag						1324

<210> 635
<211> 519
<212> DNA
<213> Homo sapiens

<400> 635

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acaaccaaaag	caagaaagcc	tcatgtttt	ggggaaagtt	tgatatcagc	aatgtccaga	180
caagagccaa	agatgtttgt	cttgccttat	tttacaagtt	tttgcatttt	tgccagtgg	240
caaccccccgg	gtaatcgtt	gaaaggagag	aactactccc	ccaggtatat	ctgcagcatt	300
cctggcttgc	ctggacctcc	aggggccccct	ggagcaatg	gttcccttgg	gccccatgg	360
cgcacatggcc	ttccaggaag	agatggtaga	gacggcagga	aaggagagaa	aggtggaaat	420
ggaactgcag	gtttgagagg	taagactgga	cccttaggtc	tttgcgggt	gaaaggggac	480
caaggagaga	ctgggaagaa	aggaccata	ggaccagag			519

<210> 636
<211> 1396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1396)
<223> n = a,t,c or g

<400> 636

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tgcttcgtt	tgcttcgtt	atgctgggt	cacggttgg	tcgcctaaa	ctctcggtgg	180
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tgtcaatgct	gttgtctca	actgtatca	tttgttttgg	ggaattttatc	aacagcacag	360
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<210> 637
<211> 1475
<212> DNA
<213> Homo sapiens

<400> 637

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cacttgcgt	gggatgtact	gggctatgtc	actccatgg	acagccatgg	ctacgatgtc	480
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cgtggccgtg	agatgttga	ggtcacgggc	ctccacgacg	tggaccaagg	gtggatgcga	600

gctgtcagga	agcatgc	aa gggcctgcac	atagtgc	c	tc ggcc	tgtt	tgaggactgg	660
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accgtgg	cc	agg	ttc	atcc	tc	tcgg	ttgg	780
cagctgctaa	gcc	caga	cg	atcc	tc	cccc	actt	840
ctgcaccagg	ccc	gg	ctgt	atcc	tc	cccc	gggg	900
gaccagctgg	g	ca	gat	ttt	tc	cccc	ccgt	960
ttc	ac	cc	tt	aca	gg	cccc	ccgt	1020
tc	ct	gg	gg	gg	cc	ccgt	gg	1080
ct	ct	gg	gg	gg	cc	ccgt	gg	1140
gtt	tc	gg	gg	gg	cc	ccgt	gg	1200
agccagg	tt	cc	gg	gg	cc	ccgt	gg	1260
ttt	cc	gg	gg	gg	cc	ccgt	gg	1320
gggg	tc	tc	tc	tc	tc	tc	tc	1380
ggcatt	tc	tc	tc	tc	tc	tc	tc	1440
gt	aa	at	ac	ac	ac	ac	ac	1475

<210> 638
<211> 1131
<212> DNA
<213> Homo sapiens

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ccat	aaa	aaacact	gtgt	ttttt	aagttt	aaat	240	
caa	aa	act	gtgt	ttt	agg	tttgc	ttttga	300
caaa	aa	at	gtgt	ttt	ttt	cat	tttgc	360
catt	aaa	at	tttgc	ttt	ttt	tttgc	tttgc	420
ttaa	gtt	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	480
cag	ca	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	540
atgg	ca	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	600
ctcc	ca	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	660
ccaa	aa	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	720
aat	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	780
act	gtt	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	840
ttt	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	900
gat	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	960
agt	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	1020
acat	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	tttgc	1080
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<210> 639
<211> 1844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1844)
<223> n = a,t,c or g

<400> 639

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ccagcttcgt gtcacaccta	cagcacatct cactcaagct	ggccacatcc ctgcccacca	420
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gtcccaggct ggcaggggac	agcgtgagg	gca	600
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gctcaggacc ggaaggctgt	tgggggtggg ggggtgggg	gtgtgtgtgt gtgtgtaa	1844
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<210> 640

<211> 1210

<212> DNA

<213> Homo sapiens

<400> 640

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ccac	cctagaagat gcctgtccc	tggttctgc tgc	240
agcc	ccctttct	ggagaggctt gttggc	300
ccgg	cctgcgc	aggacgtac ccactgt	360
cctg	ctgg	gacatactc gctgc	420
ccat	ccctgtgt	gacactgcaga cagagctg	480
ca	ctgtgtct	ctgtggctg tccact	540
ca	tgagaaaa	tgaggaggag cagct	600
gac	atgcctct	agggtggag	660
gc	ccaggccaa	gtcgctct cttccaggc	720
gtgg	tcctgctg	ttgtcagtt tggc	780
tcctata	ctgtcgag	ggagtgggt acgaaatctgg	
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tc		actgc	

agggggctcg aagtctggaa cagcatcccg agctgctggg ccctgccctg gctcaacgtg	840
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<210> 641
<211> 1108
<212> DNA
<213> Homo sapiens

<400> 641	
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ccagcaacaa aactaaaagg tataaagatt acaggaaagt taaaccatct ctattcacag	180
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<210> 642
<211> 2418
<212> DNA
<213> Homo sapiens

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<210> 643
<211> 1166
<212> DNA
<213> *Homo sapiens*

<400> 643

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<210> 644
 <211> 1024
 <212> DNA
 <213> Homo sapiens

<400> 644	
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<211> 709
<212> DNA
<213> Homo sapiens

<400> 646

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<211> 1498
<212> DNA
<213> Homo sapiens

<400> 647

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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<211> 2231
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(2231)
<223> n = a,t,c or g

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<212> DNA
<213> Homo sapiens

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<222> (1)...(457)
<223> n = a,t,c or g

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<210> 653
<211> 1014
<212> DNA
<213> Homo sapiens

<400> 653
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<210> 654
<211> 1725
<212> DNA

<213> Homo sapiens

<400> 654

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aacttggaaag	atcttgaaga	gaagaatctt	ggaggtggc	gcccactgca	ataaaacccaa	1680
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<210> 655

<211> 748

<212> DNA

<213> Homo sapiens

<400> 655

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cacgaaatc	atccgttact	cctttatac	attcagtcta	ttaaaccatc	tgccttacat	480
catcaaaagg	gccaggtaca	cactttcat	tgtgtgtac	ccaatggag	tgtcaggaga	540
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<210> 656
<211> 977
<212> DNA
<213> Homo sapiens

<400> 656

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atgcacacac cagctgtatc agctcctcag	240
tataccagaa tatgttctgc tcagccgaga	300
tcactgtcca cgtgtctgtc gaagaacact	360
aggaatgcag caacaccaggc gatgcctgg	420
cagagtgcggc tgcttggat	480
gctatgaaga agaacagtgt gtctttctag	540
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gtgaaaacaa gactcttggc ggagtcatct	660
gcttaacccc cacgtctgca ccaaccactt	720
acctcttggc ctttgccagc ctcccttcc	780
cacttgcggc agcacccccat ttctgttct	840
gacaccctct ttcctgtc tgccccgtt	900
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aaaaaaaaaa aaacatt	977

<210> 657
<211> 746
<212> DNA
<213> Homo sapiens

<400> 657

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aaaagtccagg accaaatgac agaggatctg	300
ttcacccgtat ggcttcatgg tttttagat	360
agtctgaagt cttctgtatc caacatctt	420
ttcagtcggg gagatggagag gaggatgaa	480
cgccgagacct gaaaaaaagag attccagagt	540
aaatgtcaga cagacttaacg atgatggagc	600
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acacttacat atggtttttc tcgccc	746

<210> 658
<211> 559
<212> DNA
<213> Homo sapiens

<400> 658

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tgggcttgcc	agcgcagcg	ataccgtctg	gctcgtggtg	gccttcagca	atgcctccag	420
gggcttccag	aaccggaga	cactggctga	catteccggcc	tccccacagc	tgtgaccga	480
tggccactac	atgacgctgc	ccctgtctcc	ggaccagctg	ccctgtggcg	accccatggc	540
gggcagcgga	agcgccccc					559

<210> 659
<211> 538
<212> DNA
<213> Homo sapiens

<400> 659

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acaggacaga	gacagctgcc	cggggaggatg	ggagaacaga	aagagggagg	aaacgcgcag	180
cactgacctg	ggggaggggg	gtaaaagagaa	gtgaaggggg	atttggaggg	aactggagaa	240
tgagagaagc	aacaggcgccc	gtgcgtgtag	gagggcgggg	gagccaatga	caagacagaa	300
aaggcagaga	aagcaaaagca	agaccagact	cctcatccgg	taacactgtg	tcaggtcatt	360
gcccctccac	cccgccccca	acccataaac	tggaaaacaag	taggaacctg	gataaaaatag	420
tcttaacaat	tttttttttg	agacggagtc	ttgtgtgtt	gcccagctg	gagtgcagt	480
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<210> 660
<211> 735
<212> DNA
<213> Homo sapiens

<400> 660

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acccacgag	gegctcagca	cccaggaaag	gegctgtgt	ccccgatgt	ggctcctccc	180
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actgcattt	tgcctctgtg	gatgtgaagg	ctatttctag	aatctttc	cttgcgaaaa	300
acaccggaaa	ccctcctgcc	aggaagacca	gggcctggaa	agagggtcgc	tctccggcca	360
ttctccccctc	accctcttca	ccttcctcac	atcctgtgcc	ctgggggacc	agcagctgtc	420
tccacccaga	acaageggga	gcctgtgtca	ggaaagcatg	tcagagcaga	gctgccagat	480
gtccgaactg	cggtctctcc	tcctggaaa	atgcggctcg	ggaaaaagtg	ccacaggaaa	540
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gtgcagaga	gagagtggg	tcctgagaga	aaggaagggtt	gtggtaattg	acaccccctga	660
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<210> 661
<211> 978
<212> DNA
<213> Homo sapiens

<400> 661						
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<210> 662
<211> 1118
<212> DNA
<213> Homo sapiens

<400> 662						
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ttaaccagat	agacttacta	tagggtggta	gttccccact	aaaagatact	tttctttgc	480

ttagtagtca	ccttcctgtg	ttctagagct	tccctatgct	tttaaaatat	gcattattac	540
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acaacaattt	ataatacttt	ataccacaaag	ggttaaacttag	taagctgctt	tctaaaatta	1080
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<210> 663
<211> 556
<212> DNA
<213> *Homo sapiens*

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<400> 663
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ttttctctat tatttacttg tttaaaaaaa tgtattggtt tctgctctta tctttattat    180
gtttttcttc tacttagtat taatttagtt tgttctttc ctggcctttt aaggtagaaaa   240
cttagataat tgatTTtaag ctttccttta ctatatgggc acttggaaag ctatacattt   300
ccctctgaac actaccttca tttgctacaa acatttgctt cattcaacaa atatttgaat  360
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gtggggaggat cacttgagcc caggagggtt aggctgcagc aagccatgtat tggccacta 480
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<210> 664
<211> 373
<212> DNA
<213> *Homo sapiens*

<400> 664						
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cctcgatctt	catcgcggtgc	gttagccgt	ctcgctgtct	tgcttcgttt	cctccctctct	360
cgtcatcctt	ccc					373

<210> 665

<211> 411
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (1)...(411)
 <223> n = a,t,c or g

<400> 665
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 ctgaattatac caatgaggag aggaatcttc tctcagatgc tcataccaat gctgttatgag 180
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 gcttagtcta ctatgtcac atgatcggag attactaccg ttactggctt n 411

<210> 666
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 666
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 gggagaggac gagattagcc cacaactga ataagtcaat atcaaagaag ttgctgtcac 180
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 taagcagctg tatgccccatgtt aggtattgac gag 333

<210> 667
 <211> 1991
 <212> DNA
 <213> Homo sapiens

<400> 667
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tggcccaagt gtaaatgtct atgtgaact tttgagcac ccatgtttac ctgcccgtgaa	1920
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<210> 668
 <211> 1156
 <212> DNA
 <213> Homo sapiens

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<210> 669
<211> 539
<212> DNA
<213> Homo sapiens

<400> 669

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aatttaatt tctcttact ggacattgtc ttccacctcc cagagcattt	cttggaaaat	180
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<210> 670
<211> 682
<212> DNA
<213> Homo sapiens

<400> 670

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tgggttggg gtggcttaggc cgaggcett gggagctggg cagtcggc	tggctggc	180
tggcagggc gccacatggaa agctggagga gcaacggggag cgctggcgt	ggggagcaaa	240
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tgccttctga ccagcctttt cggggccctt gactgtggag ttgggtggat	gacgtgccaa	600
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<210> 671
<211> 536
<212> DNA
<213> Homo sapiens

<400> 671

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gccacaaca	accaggatcg	agcagtgcag	gaggagactc	gggaccgatt	ccacccctt	180
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gagtcgggtg	ctgtcagga	gggtctgtgt	gtctctgtgc	cctgcagtgt	cctttacccc	420
cattacaact	ggactgcctc	tagccctgtt	tatggatcct	gggtcaagga	agggggccgat	480
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<210> 672
<211> 1038
<212> DNA
<213> *Homo sapiens*

<400>	672					
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<210> 673
<211> 676
<212> DNA
<213> *Homo sapiens*

<400> 673	
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ccgcggcgat	acggattgcg
aagcccccac	aactcagcgc
gcctgagctg	agcgctgtgc
ctqctqtc	cgctggact
tgttttcctc	tggaccagg
gaacccaat	acgctcatcg
tcagaacca	cgctggccgc
tcctggatgc	tatccccctc
aacccagggc	accccttggg
gtgagggggc	accccttggg
gcccccaact	gtcatgccct
ccatactcaq	gctgtactg
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	120
	180
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	300
	360
	420

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ctagtggctg cccgggatca cgtttctcc ttcatcttc aagccgaaga agaaggggag	600
gggctggtgc ccaacaaga tctaacatgg agaagccaag atgtggagaa ctgtgctgta	660
cggtgaaaacg tgacgg	676

<210> 674
<211> 418
<212> DNA
<213> Homo sapiens

<400> 674	
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cgggagacca gtcccctgtc ctcaccctca ctccatgagg agatccacct accatcttgg	120
gtccctcagac caaccagccc aaggAACATC tcaccaattt caaatcaggta aagcggcttt	180
ttcaactctt tctccaacct ctcttgctgt tgctccaccc ttcaatcttcc ccccttcctta	240
attttggttc ctttccctt ctggtagaga cagaagagac gtgtttatcataaaactca	300
aaactccagc gctggtcaact ccagacagtc ttccgttgggt gtttaatcac tgggggatg	360
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<210> 675
<211> 1423
<212> DNA
<213> Homo sapiens

<400> 675	
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cggaaaacag ctagacaacc caactgctac ctatTTTCT gtcccaacga ggaagcctgt	120
ccattgaaaac cagcaaaagg acttatgagt tacaggataa ttacagattt tccatcttgc	180
accagaaaatt tgccaaagcca agagttaccc caggaagatt ctctcttaca tggccaattt	240
tcacaaggcag tcactccctt agcccatcat cacacagatt attcaaAGCC caccgatatac	300
tcatggagag acacactttc tcagaagttt ggatcctcag atcaacttggaa gaaactatTTT	360
aagatggatg aagcaagtgc ccagctcctt gcttataagg aaaaaggcca ttctcagagt	420
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aagcaattct cctgcctcac ctcctaaga atcttggatt acgggcatgg gccaccaccc	1380
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<210> 676
<211> 621
<212> DNA
<213> Homo sapiens

<400> 676	
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tgcctcagcc tcctgagtag ctgggattac agtaaataca atcaaggggc atcttaaatt	180
tttgcggaa gtggagtcat gagactaaag atatctttt taaaagaacc aaagcatcaa	240
gaatttagtaa gctgtgtggg ctggactact gctgaagagc tgtattcatg tagtgatgat	300
caccacatag tgaagtggaa cttgttaacc agtgaacaa ctcaaatagt aaagcttcct	360
gatgatattt accctattta ttttcaactgg tttccaaaaa gtttgggtgt aaagaaacaa	420
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tttaggaagag tggaaaaaaag tgtagaagct cactgtggag cagtaactgc aggaagatgg	540
aattatgaag gaacagcatt agttacagtt ggagaagatg gacaaatata aatttggtca	600
aagactggga tgcttatatc t	621

<210> 677
<211> 1258
<212> DNA
<213> Homo sapiens

<400> 677	
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acttcgcgga gcagttccgc tcctacttcg agagcgagaa gcaatggaa gcccgcattgg	180
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cacaatttac taccagaagt gaattaatga aaaagcatca aagctaagcc agaagattt	420
tcacattttc atcatcagct acaggatttgc aaaggaggct gggatgaatg tgacatagac	480
cacagcagct ctcttaagac tcctggattt accaacataa agaggcaggt ggaatgagaa	540
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agtatgcattt gatattttatg tatttataaa tcatgcactt taatgttgtt tcatacat	660
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gaggttgcag tgagccaaga tcgcaccattt gcactccatc ctgggagacaaaatgaaac	1200
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<210> 678
<211> 1289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1289)
<223> n = a,t,c or g

<400> 678
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gtccggtagc tggtcactct cgggggaagg tgggtgtcag aagggcacat gcgtcacac 1200
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gggagagatc caggaagtgg tcgcggagc 1289

<210> 679
<211> 539
<212> DNA
<213> Homo sapiens

<400> 679
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catgcaccac cacacccggc taatttttg tatttttagt agagacaggg tttctccatg 180
ttggtcagggc tggtcactct ctcgtgcactt caggtgtatcc gcccgcctt gcctccaa 240
ttactggat tacaggcgtg agccactgtc cccggcctct ttaattttt ttaattctgt 300
ttccaatgca gagaagaaca taagaagaaa aacccagaag tccctgtcaa ttttgcagaa 360
ttttcaaga aatgtctgg gaggtgaaag acaatgtcca gtaaagagaa atttaaattt 420

ggtaaatgg caaaggcgga tgaagtgtgc tatgatcggg aaatgaagga ttatggacca	480
gctaagggag gcaagaagaa ggatcataat gcccccaaaa ggccaccatc tggattctt	539

<210> 680
<211> 349
<212> DNA
<213> Homo sapiens

<400> 680	
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tttgttattc tccagggaca gtggccttag agttatgtg aatttgatgc aaaagaaggg	180
gaaatttgat tacatactgt tagagaccac tggatttagca gaccctggta agaagtgaga	240
ttattaataa ccagaatata gttctgtat atattgtaaa tagatgtatt agaggaatat	300
ctaaaatgat gattaaagct tttgttagta ttaaaccaaa aacttttt	349

<210> 681
<211> 329
<212> DNA
<213> Homo sapiens

<400> 681	
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tgtttctctt cttcaggccc tticgggtg taggcactga gagtgatcc gaaagcgaa	120
gttccaaagc caaggagctt agaacgcctt caagcagctt cgggacccgc caataccgac	180
gctggccat agcccaggag tataaacact gcaccgcgc caatgcaca ggcactctt	240
gctccgagct gagagaacca tggaggagac cgcagttagac agagccactg aactcatgac	300
aacgtgaagc gaactagaaa gtaatactc	329

<210> 682
<211> 574
<212> DNA
<213> Homo sapiens

<400> 682	
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tggcttgcgtt ggagtccat gtacttaggt gacaatttac agaaagtcat ctctgcagct	120
tgtggcga caaccctttt caacccaaaaa gtaattcaaa aatggcagaa ctgtttatgg	180
aatgtgaaga agaggagctg gaaacctggc agaagaaagt aaaagaagtt gaggatgacg	240
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ttttgaacag agttaacccc agctcatatt caagggact aaagaatggt gcactcagtc	360
gagggttattc tgctgcattc aagccataaa gtcaacacta cacgaatcca acatcaaatc	420
cagtgcctgc ctcaccaata aattttcatc ctgagtctag atcttcagat agttctgtta	480
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ccattggatg ttgttatca atatcaacag tacc	574

<210> 683
<211> 627
<212> DNA
<213> Homo sapiens

<400> 683	
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tgttgtcatt ctaccatgat aaagatggaa atccctctcac ttcaagattt gcagatggcc	120
tccccacccccc taattatagt ctgggattat atcaatggag tgataaagta gttcgaaaaag	180
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taacgcctcg tgggttttagt gaagcacgaa aacattttga ttgtccagtt ctagagggaa	300
tggaaccttga aatatcaaggt ggtgtggca ctgagctcaa ccattggaa aaaagggttat	360
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tggcatttaat ggaggacact gggagacaga tgctgagccc ttactgtgac acgctcagaa	480
gtAACCCACT gcagctaact tgcagacagg accagagacg agttgccgtg gtgttaattt	540
cagaagttcc ctaaggctt accacaggaa taccagtact ttgatgaact cagtggata	600
cctgcagaag atttgctta ttatgg	627

<210> 684
<211> 1271
<212> DNA
<213> Homo sapiens

<400> 684	
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gaagtcccccg tctccagttc agggcaagaa gagtcccgca ctcctatgca tagaaaaagt	180
aacaactgat aaagatccca aggaagaaaa agaggaagaa gacgattctg ccctccctca	240
ggaagttcc attgctgcat ctagacctag cccgggctgg cgttagtagta ggacatctgt	300
ttctcgccat cgtgatacag agaacaccccg aagctctcg ggccatcgatccatcgca	360
gctcatttgc aagtccaaac caaatacaga ccaacttcat tatgatgtt gagaagagca	420
tcagtctcca ggtggcatta gtagtgaaga ggaagaggag gaggaagaag agatgttaat	480
cagtgaagag gagataccat tcaaagatga tccaagagat gagacccatca aaccccaactt	540
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gaagaaatt aaagtggaa tagaggtgg ggtgaaagaa gaggagaatg aaatttagaga	660
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tctgcgacat gccaaacatc atacagatca aaggattat atctgttata attgtgtcc	960
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gaagaaaacat gatgcagact ctttctacca gttttcttgc aatatctgtg gaaaaaaatt	1140
tgagaagaag gacagcgtag tggcacacaa ggcaaaaagg caccctgagg tgctgattgc	1200
agaagctctg gtcgccaatg caggcgccct catcaccaggc acagatatct tggcactaa	1260
cccagagtcc c	1271

<210> 685
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (685)
<223> n = a,t,c or g

<400> 685	
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gccaaaagac tacctcttgc gttaggtga agatgagggg gacaatgatg gagagagaaa	180
gcatcaaaag cttcttggaa caatcgttc ctttgcgttgc aagaataggc gaaattggc	240
ttaggggtct gaggcttagtc tgaagggtgc agagttcaat gtcagttctg aaggatcagg	300
agaaaagctg gtccttgcag atctgttgc gctgtttaaa acttcattt ctttggccac	360
tgtaaaaaag caactgttgc ggttgcataa aagaagaca gtggaggtaa ctgttgcataa	420
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gaaagaggag ccagccattt ctccatttgc acatgttgc tggcttgc aaggcagaac	600
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<210> 686
<211> 962
<212> DNA
<213> Homo sapiens

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ttgttcttca gagaatagat ttcatgttcc attttcttgc aatgtttaat tcacacagaa	180
aaccaatgtt taacatttccat agaggattttt actgtttaac agccatcttgc cccaaatat	240
gcatttttc tcaatgttca gtgcatttca gtatcactt cactgaggat cttggggctt	300
tcccaatgtt cactaatggg gaacgatttgc ttggcaggaa gctaaggctc cccatgttgc	360
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caggaaaacttacgcgttgc tttatcatc gtttgcacatc gtttgcacatc ttgcacagca	660
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ct				962

<210> 687
<211> 676
<212> DNA
<213> Homo sapiens

<400> 687				
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aggggcttac aggagcctcc	gggaaagtgg	coctactgg	gctggctgc	360
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<210> 688
<211> 639
<212> DNA
<213> Homo sapiens

<400> 688				
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ctgtctgtc gctgtct	ctggagcgc	gcatgttctc	ctcac	360
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agctttcag aatgtatggcc	gtggctgcgg	acacgctgc	tgcagacaag	540
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<210> 689
<211> 116

<212> DNA
 <213> Homo sapiens

<400> 689
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<210> 690
 <211> 509
 <212> DNA
 <213> Homo sapiens

<400> 690
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 ctcacctagt ggcaatggct ccaggctccc ggacgtccct gtcctggct tttgcctgc 180
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<210> 691
 <211> 1362
 <212> DNA
 <213> Homo sapiens

<400> 691
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<210> 692
<211> 503
<212> DNA
<213> Homo sapiens

<400> 692			
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<210> 693
<211> 1671
<212> DNA
<213> Homo sapiens

<400> 693			
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<210> 694
<211> 898
<212> DNA
<213> Homo sapiens

<220>
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<222> (1)...(898)
<223> n = a,t,c or g

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<211> 630
<212> DNA
<213> Homo sapiens

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aagatccata agaaacaagg tgctggattt ctccgttgc tccagtgcac	180

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gagataggct cctgagtatt ttgaaaaaca atagaaagag cccctcacag tccagccttc	600
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<210> 696
<211> 879
<212> DNA
<213> Homo sapiens

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<211> 719
<212> DNA
<213> Homo sapiens

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acaagatcca tggatggatg aaatgttagg aaaagggagg cccagtggaa gtgggctcac	660

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<210> 698
<211> 420
<212> DNA
<213> Homo sapiens

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<210> 699
<211> 422
<212> DNA
<213> Homo sapiens

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cg 422

<210> 700
<211> 412
<212> DNA
<213> Homo sapiens

<400> 700
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<210> 701
<211> 977
<212> DNA
<213> Homo sapiens

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<211> 406
<212> DNA
<213> Homo sapiens

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<210> 703

<211> 987
 <212> DNA
 <213> Homo sapiens

<400> 703

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ccatagtccag tggagcttt tcaatgtcca gaaagaataac tttcaatctt tatgaacagc	240
cttaggatttt gcagttgttt ctgaaggctc aaattgtcct gcttcaaatt tttctttgaa	300
tttttaagttag tctttttttt tatcaaaaata ttttatccac tggtggggac aacttggatc	360
gaaagagctt ctttaacttct tgcattgaga agcatccctt aagttctcat ctaaacactt	420
ccagttactca tccccggggccc cccagcagac ctgttttcc ttcatagatg gggctgccc	480
tcctactgcg atgaagctct ctgccccccc acgtccggct tcctttcgat gtgcacggga	540
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gcagggtcgc cccgctggct caagctctag aagcgttagac ctccccagcc gaaaaaaagca	660
agtcacgggg cgaaaccggcg gactttttt acccttccga gctaccattt actttccata	720
gaggggegggg acttctctgtt tgcgttttat ctgttctcgat ttttccccc agtctcgagt	780
gcagtggta gaacacggct tactgcagcc tcaaaatccct ggacccaaaa gatccccc	840
cctcagcctg cttcccaaggt agctggact acaggcgcac aacaccatcg ctttttggat	900
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gggggatgtgg gaaaaataaat atttgta	987

<210> 704
 <211> 473
 <212> DNA
 <213> Homo sapiens

<400> 704

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tgaatcctgc ttagaaaaaa ctctacagag atgtcatgtt ggagaccttc aagcacctgg	180
cctcgttgc taatggggctt cagttaaag ccagtgggtc tatttctcag caggataactt	240
ctggagaaaa attatccctc aaacagaaaa tagaaaaagtt cacaagaaag aatatatggg	300
cctccctttt agggaaaaat tggagaac atagcgttAA agacaagcAC aacaccaagg	360
agagacattt gagcggaaat ccaagggtgg agagaccatg taaaagcagt aaaggtata	420
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<210> 705
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = a,t,c or g

<400> 705

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aatttcagca	cgtcctggca	caactggctg	tgggaggtct	gtgagcaaat	ggaagaacat	180
gagaggaact	tgttaatgt	ggaaatacaa	aatcagctcc	atcgcaaggct	tcagggctctg	240
catctgcctt	cctgtaatcc	caccatctt	tntagtgtgt	atgtgggttt	tttgggttgg	300
ttgagacaaa	gtcttgcctt	gtcgcccagg	ctggagtgc	gtggcacaat	ctcagctcac	360
tgcaagctct	gcctcccccgg	ttcaagcaat	tctcctgcct	cagcctcctc	agtagctggc	420
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<210> 706
<211> 894
<212> DNA
<213> Homo sapiens

<400> 706

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tgcgtctcgt	tccagctatt	ttcagatgc	tctggatttt	gagacggagc	acaaatttgg	180
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cacctgggg	gatggtgagg	ctgtgggtgc	cgacagcgcc	accagcagcg	ctgtctccct	300
gaagaaccga	gcggccagg	gagcacgcgt	gcaacttcctc	tccatetgat	ctctaaccacc	360
agttaaaacc	aagttccat	acttttgg	ctgtaaagcc	gcaccctgtc	tcgagcttaa	420
ggatatgtgt	gtgtatgtgc	gtgtacagac	acacaaaccc	gccatataaa	gtggtagttt	480
gctgcaata	aagactgaaa	ggaactctgg	aatctgtgt	gttigtctag	tattgtatgtt	540
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ggtctggaaag	ctttgtggc	ctgtgggtgg	agctcagcta	cagctgtct	accacatgt	660
taaagaggaa	gaaatcttac	agattacaca	tgtgtcg	gacgatctcc	gtgtccagtt	720
cattttttt	tctggagacg	gagtctcgct	cttgtcgccc	agggtgaaat	gcagtggcac	780
gatctcagct	cactgcctcc	tctgtctccc	gggttcaagc	gattctactg	cacgcagcct	840
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<210> 707
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = a,t,c or g

<400> 707
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gagacacaat	gcaagctgta	gtgcccttga	acaagatgac	agccatctca	ccagaacctc	180
aaactctggc	ctcgactgaa	caaaatgagg	tcccaagagt	ggttacttct	gggaaacaag	240
aagctatttt	aagagggaaat	gctgctgatg	cagagtctt	cagacagagg	tttaggtggt	300
tttgttactc	agaagtaget	ggaccaggaa	aagctctgag	tcaactctgg	gagctctgca	360
atcaatggct	gagaccagac	attcacacga	aagaancaga	tttttagagct		410

<210> 708
<211> 650
<212> DNA
<213> Homo sapiens

<400> 708						
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agaagggaga	ggagcgaaca	tggcagcgcg	ttggcggtt	tggtgtgtct	ctgtgaccat	120
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gatgggttta	tctgaaaagg	ttagtcacgt	gatggaatgg	actaacaaaa	gacctgtaat	240
aagaatgaat	ggagacaagt	tccgtcgct	tgtgaaagcc	ccaccgagaa	attactccgt	300
tatcgcatg	ttcaactgctc	tccaactgca	tagacagtgt	gtcggttgca	agtatgaact	360
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ggccaaagtta	gtgcagtagg	tacttaaata	atgtgtatac	cttactcagg	atgtctatgg	480
tagcaatact	actgctctt	tatagtcaat	tcttgattat	ccgtatcagt	ggggaaagca	540
tggataaata	attgtggtag	ccatcataaa	agtaacttaa	agatcaaaca	gtcatcttat	600
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<210> 709
<211> 534
<212> DNA
<213> Homo sapiens

<400> 709						
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tccaaactaa	gttttacctg	agaaagccaa	aagaagtaaa	aggcctactg	tacccatgaa	180
tgaagactct	tcatgtata	ttgctgttagg	tttaacttgc	caacatgtaa	gtcatgtat	240
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tttaaaagaa	agaagattct	atgatggca	gttagtactt	acttctgata	tttggttgt	360
cctcaagtgt	ggcttccagg	gatgtggtaa	aaactcagaa	agccaacatt	cattgaagca	420
ctttaagagt	tccagaacag	agccccattt	tattataatt	aatctgagca	catggattat	480
atggtggtat	aatgggatg	aaaaaatttt	cacccctttt	aataaaaaag	gttg	534

<210> 710
<211> 478
<212> DNA

<213> Homo sapiens

<400> 710

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ggagcgtgga	gaggagagac	agggtgaagg	tggcggctgg	ctttctggaa	gcaggtggcc	180
tttggtgcgg	tcagcattcg	tgccagcccc	cttctctctg	atcctctcca	tgtgtctctc	240
tccttgaatc	ccagaagctg	cccctgactc	cccattaact	gcctctgcc	ctaccccccta	300
ggtgatgctt	ctgggagaca	caggcgtcgg	caaaacatgt	ttcctgatcc	aattcaaaga	360
cggggccttc	ctgtccggaa	ccttcatacg	caccgtcggc	atagacttca	gggtgaggtg	420
gctgcaggca	cttgcattcca	gcagagagcc	agggtgtgg	ctcaggcatg	gggggggtt	478

<210> 711

<211> 585

<212> DNA

<213> Homo sapiens

<400> 711

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cgaagaaaaa	agaccaggattt	tcatcttga	atggttgcga	tttcttgata	aagtcttgggt	180
tgctgccaac	aaggatgttgt	attgcctttt	tttcccagggt	gcattaaacgt	gaagagatta	240
tgtggtcatg	attcttaaga	aaacacatgt	tatgttttgg	aaggttttagt	ggtcacttat	300
ggaacttgag	agtattcacac	gaatggaaa	tttagtggca	aaactcaaacc	ctcgtttaaa	360
tccagctcat	tgcctatctt	ctttatgttt	gtacctgggc	agtcattgt	aactggagaa	420
aaacatggct	atatgactgg	tgtcacttta	aatttatacat	cgtcaccctgt	tgcaagtgtat	480
ctctctatgc	tgcctaacaa	tcccagtgtc	ttcacttata	tctttgagga	gtcaataata	540
ggctcttttt	tttttaatct	gtttttctt	cctgcatacg	cttgt		585

<210> 712

<211> 391

<212> DNA

<213> Homo sapiens

<400> 712

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ttgcgttcca	ccatgattac	tttctcccttc	agcgaatagg	ctaaatgaat	atgaaacaga	120
aaagcgtgta	ttagcaaaacc	aaagcacttc	tgtgcaagaa	ttttcttaag	aatggagga	180
tgaaaagaga	gagtttattg	gaatggggcc	tctcaatact	tctaggactg	tgtattgctc	240
tgttttccag	ttccatgaga	aatgtccagt	ttcctggaaat	ggctccctcag	aatctggaa	300
gggtagataa	attnaatagc	tcttctttaa	tgttgtgtc	tacaccaata	tctaatttaa	360
cccagcagat	aatgaataaa	acagcacttg	c			391

<210> 713
<211> 524
<212> DNA
<213> Homo sapiens

<400> 713

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gaccctctca	gtgcacaact	tggccggct	cactgggctc	ctgcaccact	gcctgtcagg	120
tccgctgcca	gccccaaagcc	ccccaccagc	catgagctcc	tccagaaaagg	accacccctgg	180
cgccagcagc	ttagagcccc	tcccggtcat	cattgtgggt	aacggccct	ctggtatctg	240
cctgtcctac	ctgctctccg	gctacacacc	ctacacgaag	ccagatgcca	tccacccaca	300
ccccctgctg	cagaggaagc	tcaccgaggc	cccgggggtc	tccatctgg	accaggacct	360
ggactacctg	tccgaaggcc	tcgaaggccg	atcccaaagc	cccggtggcc	tgctctttga	420
tgcccttcta	cgccccagaca	cagactttgg	ggaaacatg	aagtgcgtcc	tcacctggaa	480
gcaccggaaag	gagcacgcca	tccccacgt	ggttctggc	cgga		524

<210> 714
<211> 2468
<212> DNA
<213> Homo sapiens

<400> 714

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agatattcca	ggcccactcc	agggcagtgg	gcaagatatg	gtgagcatcc	tccagttagt	300
tcagaatctc	atgcatggag	atgaagatga	ggagcccccag	agcccccagaa	tccaaaatat	360
tggagaacaa	gttcatatgg	ctttttggg	acatagtctg	ggagcttata	tttcaactct	420
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cctggccaa	tacctttgt	atcagctgg	cttgccttc	ccctgttgc	gcccgttacc	720
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aatacataca	taattaataa	ataaaacatc	aaagaccagc	cgacctaact	ccatctaaaa	2400
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cactagca	.					2468

<210> 715
<211> 924
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(924)
<223> n = a,t,c or g

<400> 715						
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atgaacttgc	tcacaacatc	cgcccccact	gtgacttgca	gtcatcatcc	attaccacaa	180
aatttagttgc	aggatggcta	ctcgatatccc	tccacacatg	atcatcagta	tttgcctcct	240
gtgtcccaac	ccgcctgagt	caaggttacg	actcaactgat	taaaaagagg	gacttttca	300
aatactttgc	acttttgatt	gtgttattatg	gatccaagg	aagagaagaa	ggaacggaaa	360
caaagttatt	ttgctcgact	gaaaaagaaa	aaacaagcca	aacaaaatgc	agagacagcc	420
tcagctgtag	ctacaaggac	tcatactgg	aaggaagata	ataatacagt	agtttttagag	480
ccagacaagt	gcaacattgc	tgtggaaagag	gaatatatga	ctgatgagaa	aaaaaaagaga	540
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tccagtccctg	gtgctactgt	ctctccttca	tcatnagatg	cagaatatgn	taattggctg	900
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<210> 716
<211> 679
<212> DNA
<213> Homo sapiens

<400> 716

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ccttcgggtt	ggtgggagag	aagcagctcc	cgcaggagat	tattttcctg	gtctggtcgc	180
ccaagcggga	tctcattgt	ttggccaaca	cagctggcga	ggtttactt	catcgactgg	240
caagtttca	tcgagtttg	agtttccac	caaataaaaa	tacaggaaag	gaggtgacgt	300
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tttccgttat	gcattggatg	gaagtgcacag	tagaaagcag	tgttctcaca	tcattttata	480
atgtgagga	tgaatcaa	atctctttac	ctaaactacc	tacactgca	aaaaactata	540
gcaacacctc	aaaaatattt	agtgaagaaa	attctgtatga	aattattaag	ctcttggag	600
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<210> 717
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (821)
<223> n = a,t,c or g

<400> 717

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gagatccagt	gaccgacaga	gcaagagcca	tgccgcgc当地	gggcctgg	gctggccag	420
acttggagta	ttttcagcgt	cactattca	cgccggcgga	ggtggccaa	cataacaggc	480
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<210> 718
<211> 480
<212> DNA
<213> Homo sapiens

<400> 718

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aaaaaatcct	gggagaaaatc	taagcagtca	tgtggtagag	agactgtttg	aaattaaaga	420
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<210> 719
<211> 467
<212> DNA
<213> Homo sapiens

<400> 719					
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cagggcctc	agggtttttt	cctccgtccc	gtccccgcac	ttcaagata	atcggtatcg
gcgactccaa	tgtgggcaag	acatgcctga	cctaccgcct	ctgcgtggc	cgctcccccg
accgcaccga	ggccacgata	gggggtggatt	tccgagaacg	agcgggtggag	attgatgggg
agcgcataa	gatccagcta	tgggacacag	caggacaaga	acgattcaga	aagagcatgg
ttcagcacta	ctacagaaat	gtacatgtg	ttgtcttcgt	gtatgatatg	accaacatgg
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<210> 720
<211> 490
<212> DNA
<213> Homo sapiens

<400> 720					
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ttccaggggc	acaaggtat	tttggctgt	tgctccactt	ttatgagaga	tcaatttta
ctcacacagt	aaaaacatgt	cagaatcacc	atttacaga	gtgcagaagt	tggcagaaaa
ttgttactgt	tttgtataac	tggagacatt	gaagttaaaa	ggaaagagct	tttggaaatac
ttgactgt	ccagttacct	tcagatggtt	cacattgcgg	aaaagcgcac	agaagctttt
gtcaagttct					490

<210> 721
<211> 706
<212> DNA
<213> Homo sapiens

<400> 721

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tttggaaagc	agcagtggcc	cccacatggc	catgctccat	gccgccccgc	cgcggctggg	180
acagacaggc	tggcacgtt	caggctctgg	gagcgctggc	tgtgctgtgg	ctgggctccg	240
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ccaaggacgt	gcccgaggcc	tgggagcatg	gtcccgcc	agcttgggag	ccctctggaa	360
cagaggccag	gcagcagagg	gactcctgcc	agcttgcct	tgtggaaagc	atccccccagg	420
acctgccttc	tgcagccggc	ageccctctg	cccgccctct	gggcccaggcc	tggctgcagc	480
tgttgacac	tgcggcaggag	agegtccacg	tggcttcata	ctactgtcc	ctcacaggcc	540
ctgacatcgg	gttcaacgcac	tcgtttcc	agcttggaga	ggctcttc	cagaagctgc	600
agcagctgct	ggcccgaggac	atttccctgg	ctgtggccac	cagcagcccg	acactggcca	660
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<210> 722

<211> 677

<212> DNA

<213> Homo sapiens

<400> 722

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gcgttggaaa	cctcgccccgc	ctcccttct	ggcccgccgc	tccgcttaag	tgaaggcctg	180
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ggatcgctt	ctcctggcg	caccagcgct	gggttgggt	gggttagctt	tcccttgg	420
ctcctccatt	tttgaagaaaa	gaagaagatg	ccactgccc	ttgggttgaa	actgaaacgc	480
acccggcgct	acacgggtgtc	cagcaagagt	tgcctgggt	cccgatcca	actgcttaat	540
aacgagttt	tggagttcac	cctgtccgt	gagagactg	gccagggaa	cctcgaggcc	600
gtggcccaga	gttggagat	ggggagggtc	acttacttca	gcctctggta	ctacaacaag	660
caaaaatcagc	ggcggtg					677

<210> 723

<211> 600

<212> DNA

<213> Homo sapiens

<400> 723

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ctaccagcaa	ttttgagaac	ttgcaaaaac	agcttgcag	gaaaatgaag	cttcttattt	180
tcatagcaga	tgcattcaca	gcaagagcat	tgcgtggaa	tccgtgtct	gttgcctcc	240
tagaaaaatga	attggatgaa	gacatgcac	agaaaattgc	aaggagatg	aacctctctg	300

aaactgcttt tatccgaaaa ctgcacccga cagacaactt tgcacaaaagt tcctgctttg	360
gactgagatg gtttacacca gcgagtgagg tcccactctg tggccatgcc accctggctt	420
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tgagtggaga actaaggccc agacgagcag aggacggcat cgtcctggac ttgcctcttt	540
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<210> 724
<211> 530
<212> DNA
<213> Homo sapiens

<400> 724	
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cttagaaaca agcaattttt ttccttcaaa ataagaacca agactcagag cttctgcga	180
aatgaatata gcctgactgg actgtgtaat cggtcatcct gtcccctggc aaatagtcag	240
tatgccacta ttaaagaaga gaaaggacag tgctacttgt atatgaaggt tatagaacga	300
gcggcttttc ctccggcgtct ctggAACGG gtccggctta gtaaaaacta tgagaaagca	360
ctggagcaaa tagatgaaaaa tctgattttac tgccccgtt tcattcgaca caaatgttaag	420
cagagattca ccaagatcac ccaataccta attcgaatta gaaaacttac actaaagcga	480
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<210> 725
<211> 428
<212> DNA
<213> Homo sapiens

<400> 725	
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tgcgcctcc tcgaaaaca aggtgagtga ctccggggag caatggagc tgtttcaggc	180
cgccaaagcgg acattggtgg atcccagcgc tttgtgtatt gcggggaggg acacctgtgg	240
caccgttaag ggcgagtcct gatctgaaga tccgagaact tccaaaagaa actgacgttg	300
ggtcagagag agttgttgag taaaagttgg tgaagcgaag agggttttc agacaggaaa	360
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<210> 726
<211> 859
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(859)
 <223> n = a,t,c or g

<400> 726

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agcatcaagg	tgttgctcca	gtcggtctg	agcctggcc	gcagcctgga	tgcggaccat	180
cccccttgc	agcagtttt	tgttagtgatg	gagcaactgcc	tcaaacatgg	gctgaaaagtt	240
aagaagagtt	ttattggcca	aaataaatca	ttctttggtc	ctttggagct	ggtggagaaaa	300
ctttgtccag	aagcatcaga	tatagcgact	agtgtcagaa	atcttcaga	attaaagaca	360
gctgtggaa	gaggccgagc	gtggctttat	cttgcactca	tgcaaaagaa	actggcagat	420
tatctgaaag	tgcttataga	caataaacat	ctcttaageg	agttctatga	gcctgaggct	480
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gatgccaatc	tctggcttga	aaggagaaga	cttggattct	caggttggag	taatagattt	600
ttccctctac	cttaaggatg	tgcagatct	tgtgggtggc	aaggagcatg	aaagaattac	660
tgtatgcctt	gatcaaaaaaa	attatgtgga	agaacttaac	cggcacttga	gctgcacagt	720
tggggatctt	caaaccaaga	tagatggctt	ggaaaaagact	aactcaaagc	ttcaagaang	780
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acaaaatgaa	ttaattcga					859

<210> 727

<211> 450
 <212> DNA
 <213> Homo sapiens

<400> 727

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tcccttaacgg	ggtgttccac	cggcgccctgc	cgagggctag	gcctccgcag	ccgcctccg	180
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atggatgc	agcccagaga	accttgtatc				450

<210> 728

<211> 439
 <212> DNA
 <213> Homo sapiens

<400> 728

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accagcccgaa	gagggacctg	gtgcctgtac	ccaggcttct	gtgcctctgt	cgccctgcgt	120
atgcctgct	gtagtcacag	gagctgtaga	gaggaccccg	gtacatctga	aagccggaa	180

atggacccag tggctttga ggatgtggct gtgaacttca cccaggaaga gtggacattg	240
ctggatattt cccagaagaa tctctcagg gaagtgtgc tggaaacttt caggaacctg	300
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agaagcttca ggagtctcat agaagagaaa gtcaatgaaa tttaaagaaga cagtcattgt	420
ggagaaaactt ttacccagg	439

<210> 729
<211> 236
<212> DNA
<213> Homo sapiens

<400> 729	
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agccgtgtgt actgcgttgtt cagcaactgcc cgacagtccct agctaaactt cgccaactcc	120
gctgccttttgcgtcaccat gccacagaat gaatatattt aattacaccg taaacgctat	180
ggattccgtt tggattacca tgagaaaaag agaaagaagc aaagtgcgaga ggctca	236

<210> 730
<211> 807
<212> DNA
<213> Homo sapiens

<400> 730	
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cttcatgaga atccctgtt gtctgttag ttttagtgc gactctggag cccaggctgt	180
tgctccccgg tctgggttgtt aatccctccat agtctggaga ttcagccct gctgagctga	240
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taaaaacaact tggcatagt gtggataaag tgagatttat tgagatgggt ggaacgttta	720
tggcccttcc agaagaatac agagattatt ttattcgaaa tttacatgtat gccttatcag	780
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<210> 731
<211> 944
<212> DNA
<213> Homo sapiens

<400> 731

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gagcaccttc	caccccagg	gctgtgtac	agggtggtg	gggagggcg	ccacgcgtg	180
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caccggcc	gccaccagg	aggcgagg	cgcaggagcc	aagagcaagg	gacgcccaca	360
cggtcatctt	cgccctcccc	gcccctct	tagagacact	cattgcctat	ggatcatect	420
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agcgttccag	gacgggcgt	ggccacggca	gtgtgtctgt	taccatgata	aagaggaagg	660
ctgcacacaa	gaagcatagg	agccgaccca	cctcccagcc	tcggggaaac	atcggtggct	720
gcataattca	gcacggatgg	aaagatggag	atgaacctct	aacacagtgg	aaaggaaccc	780
ttctggatca	gtccctttga	ataaacctgc	ccaccaccaa	gaaccatac	atgactttct	840
tttcattgt	tcaaacgaat	gtgtccaccg	gtgtgagcac	cagcaactca	cttcttcctc	900
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<210> 732
<211> 761
<212> DNA
<213> Homo sapiens

<400> 732

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gcaccgagga	cgaggaggag	ggggcgagcc	tggcgacgg	cagcggggcg	gaaggcggca	180
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tgcagaagct	ccaatgtccc	ttccagacct	cctggctcaa	ggactttccc	tggctgcgt	360
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gaagcgtgga	cttccccca	gtggggcatg	atgactttc	gcgagggacc	cgcaactaca	480
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ccaggagtc	agaaatacca	tcaaggagg	ggtactgtga	cttaatagt	aggccaaatg	600
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<210> 733
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(523)
<223> n = a,t,c or g

<400> 733

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agaagagcca	agcgaagaaa	gcgtgatgag	gaceggcatg	acatcaacaa	gatgaagggt	360
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<210> 734

<211> 1341
<212> DNA
<213> Homo sapiens

<400> 734

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<210> 735

<211> 703
<212> DNA
<213> Homo sapiens

<400> 735

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tacagtttcc	ttgccaggac	aacacggata	agtgaaaggc	ttctgtggct	gcttggtaact	660
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<210> 736

<211> 401

<212> DNA

<213> Homo sapiens

<400> 736

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gggaaggatg	gtagggcgac	tggggctcac	ctccgcacccg	ttgttaggacc	cggggtaggg	120
ttttgagccc	gtggggagctg	ccccacgccc	cctcgctctg	ccaacggtcg	gatggcggag	180
acgaaggacg	cagcgcagat	gttgggtgacc	ttcaaggatg	tggctgtgac	ctttacccgg	240
gaggagtgg	gacagctgg	cctggcccag	aggaccctgt	accgagaggt	gatgctggag	300
acctgtgggc	ttctgggtttc	actagggcat	cgggttccca	aaccagagtt	ggtccacctg	360
ctaaagcatg	ggcaggagct	gtggatagtg	aagagaggcc	t		401

<210> 737

<211> 933

<212> DNA

<213> Homo sapiens

<400> 737

agcggccgct	cgccccgtgtt	gtgtgtcccc	ggtgtcacccg	agcgtgttgt	gtgtccgtgc	60
ggcgcggcgc	tcgtgtggct	ccctcgcc	caccacgctg	gccccccggc	ccoggctcgc	120
cctttccagg	cgcggcgtgc	agcagattt	cagaacaagc	ttcctgaaac	ccatgaccca	180
tgaagtcttg	tcgacattt	taccgtctga	gggttagcagc	tcgaaaatgt	aagaaaatgt	240
tgccaggggac	ggcagtatct	ctttgtgt	ccctggccggc	ttatggacg	ttggcttcag	300
acctttgtga	tacaccatgc	tgcgtggac	gatgacggcg	tggagaggaa	tgaggcctga	360
ggtcacactg	gcttgcctcc	tcctagccac	agcaggctgc	tttgcgtact	tgaacgaggt	420
ccctcaggtc	accgtccagc	ctgcgtccac	cgtccagaag	cccgaggca	ctgtgatctt	480
gggctgcgtg	gtggAACCTC	caaggatgaa	tgtaacctgg	cgcctgaatg	gaaaggagct	540
gaatggctcg	gatgatgctc	tgggtgtct	catcacccac	gggaccctcg	tcatcactgc	600
ccttaacaac	cacactgtgg	gacggtagca	gtgtgtggcc	cggatgcctg	cgggggctgt	660
ggccagcgtg	ccagccactg	tgacactgc	cagtgagtc	gctccttgc	ctccctgcca	720
tggtgccgtc	cctccatc	tctccaccc	tgaagcccc	accattcatg	ctgccttttg	780

ttactcttag cataaaatgg gccttaactg cagaaatgtc aaatcagaac agtagctgcc	840
tttagaatgc ccagtatgg gggaccctt gtgccttgg aaaacctcac tcacaatgaga	900
ggctgtatct ggagtgagtg tctacagaga ggg	933

<210> 738
<211> 420
<212> DNA
<213> Homo sapiens

<400> 738	
ctggggtcgg cggagacagc tggtgtctga agccgcgtcg gcccagggtg accctgtttg	60
cagcagcatg tctgaagaag aggccggctca gateccccaga tccagtgtgt gggagcagga	120
ccagcagaac gtgggtcgcgc gtgtggtggc tctgcccctg gtcagggcca cgtgcaccgc	180
ggtctgcgtat gtttacagtg cagccaagga caggcaccccg ctgctgggtct ccgcctgcgg	240
cctggctgag aactgcgtgt gcccgcgtac caccgcgtgcc ctggaccacg cccagccgtct	300
gctegagcac ctgcagcccc agctggccac tatgaacagc ctgcctgca gggcctggaa	360
caagctggaa gagaagcttc ccttctcca gcaaccttgc gagacgggtgg tgacctcagc	420

<210> 739
<211> 1248
<212> DNA
<213> Homo sapiens

<400> 739	
tttcgttagcg agtaaagaag cagatttgc ctccctcccg ctccctccct cccatcttcc	60
cacccgggct gtgcccaggc cacagagcag ctgcaggccct tggagagagga cccacacagc	120
ctccctgttagg tggcaacagt gcccactgtt tgaactcatag ggctgaacccg aggactgaaa	180
aaggaggagg gcagaccact cgagagaggag ctgggaagca gtgcagagag gagagcggag	240
cgagactgccc gctgagcaaa ggccttaccat atggccgagt ccccccggctg ctgtccgtc	300
tgggcccgtct gcctccactg cctgtatagc tggcaactggaa ggaaatgccc cagagagagg	360
atgcaaaccat gcaagtgcga ctgtatctgg tttggcctgc tcttcttcac ctccctccctt	420
tccctgagct ggctgtacat cgggctcgtc ctctcaatg acctgcacaa cttaatgaa	480
tcccttccccc gccgctgggg acactggatg gactggatccc tggcattctt gctggatc	540
tctctactgg gcacatatgc atccttgcta ttggctctgg ccctgctctt gggctttgt	600
agacagcccc tgcattgtca cagcctccac aagggtgtgc tgctctcat tatgtgttt	660
gtggccggctg gccttgggg actggacatc caatggcagc aggagaggca tagcttgcgt	720
gtgtcaactgc agactgcagg tagctctgaa ctccagcagt cagggccctaa gagaaagcg	780
gggagggggca ctggagaaga gcccacccca ccagcttgc tccacaggcc acagccccat	840
tccttcataat tggagcagcc gctggaaattt ccctcttggc ctggcctgtg gctgataacct	900
tctaccgtat ccaccgaaga gagcccaaga ttctgtact gctcttattt ttggagttg	960
tcctggatcat ctacttggcc cccctatgca tctccttacc ctgcattatg gaacccagag	1020
acttaccacc caagccctgg ctgggtggac accgaggggc ccccatgctg gctcccgaga	1080
acaccctgtat gtccttgcgg aagacagctg aatgcggagc tactgtgttt gagactgtat	1140
tgatggatcg ctccgatgg gtccttcc tcattatgtca tgacacccctc agcaggacca	1200
cgaatgtatc ctctgtattt ccaacccgaa tcacagccca cagcagtg	1248

<210> 740
 <211> 185
 <212>Amino acid
 <213> Homo sapiens

<400> 740
 Phe Val Gly Arg Leu Leu Arg Leu Gly Glu Ala Leu Arg Leu Arg Pro
 1 5 10 15
 Asp Pro Ser Gly Gly Cys Arg Leu Gln Pro Ala Leu Val Gly Glu Thr
 20 25 30
 Glu Met Ser Glu Lys Glu Asn Asn Phe Pro Pro Leu Pro Lys Phe Ile
 35 40 45
 Pro Val Lys Pro Cys Phe Tyr Gln Asn Phe Ser Asp Glu Ile Pro Val
 50 55 60
 Glu His Gln Val Leu Val Lys Arg Ile Tyr Arg Leu Trp Met Phe Tyr
 65 70 75 80
 Cys Ala Thr Leu Gly Val Asn Leu Ile Ala Cys Leu Ala Trp Trp Ile
 85 90 95
 Gly Gly Gly Ser Gly Thr Asn Phe Gly Leu Ala Phe Val Trp Leu Leu
 100 105 110
 Leu Phe Thr Pro Cys Gly Tyr Val Cys Trp Phe Arg Pro Val Tyr Lys
 115 120 125
 Ala Phe Arg Ala Asp Ser Ser Phe Asn Phe Met Ala Phe Phe Phe Ile
 130 135 140
 Phe Arg Ser Pro Val Cys Pro Asp Arg His Pro Gly Asp Trp Leu Leu
 145 150 155 160
 Arg Leu Gly Arg Val Arg Leu Ala Val Gly Asn Trp Ile Leu Pro Val
 165 170 175
 Gln Pro Gly Arg Cys Arg Gly His Ala
 180 185

<210> 741
 <211> 177
 <212>Amino acid
 <213> Homo sapiens

<400> 741
 Phe Leu Gly Ala Gly Ala Asp Ile Phe Cys Ala Tyr Leu Arg Met Ser
 1 5 10 15
 Ser Lys Gln Ala Thr Ser Pro Phe Ala Cys Ala Ala Asp Gly Glu Asp
 20 25 30
 Ala Met Thr Gln Asp Leu Thr Ser Arg Glu Lys Glu Glu Gly Ser Asp
 35 40 45
 Gln His Val Ala Ser His Leu Pro Leu His Pro Ile Met His Asn Lys
 50 55 60
 Pro His Ser Glu Glu Leu Pro Thr Leu Val Ser Thr Ile Gln Gln Asp
 65 70 75 80
 Ala Asp Trp Asp Ser Val Leu Ser Ser Gln Gln Arg Met Glu Ser Glu
 85 90 95
 Asn Asn Lys Leu Cys Ser Leu Tyr Ser Phe Arg Asn Thr Ser Thr Ser
 100 105 110
 Pro His Lys Pro Asp Glu Gly Ser Arg Asp Arg Glu Ile Met Thr Ser
 115 120 125

Val Thr Phe Gly Thr Pro Glu Arg Arg Lys Gly Ser Leu Ala Asp Val
 130 135 140
 Val Asp Thr Leu Lys Gln Lys Lys Leu Glu Glu Met Thr Arg Thr Glu
 145 150 155 160
 Gln Glu Asp Ser Ser Cys Met Glu Lys Leu Leu Ser Lys Asp Trp Lys
 165 170 175
 Glu
 177

<210> 742
<211> 434
<212>Amino acid
<213> Homo sapiens

<400> 742
Glu Gly Tyr Leu Thr Gly Arg Pro Thr Arg Pro Val Ala Val Arg Gly
 1 5 10 15
Lys Ser Thr Ala Asp Leu Arg Met Met Gly Arg Ser Pro Gly Phe Ala
 20 25 30
Met Gln His Ile Val Gly Val Pro His Val Leu Val Arg Arg Gly Leu
 35 40 45
Leu Gly Arg Asp Leu Phe Met Thr Arg Thr Leu Cys Ser Pro Gly Pro
 50 55 60
Ser Gln Pro Gly Glu Lys Arg Pro Glu Glu Val Ala Leu Gly Leu His
 65 70 75 80
His Arg Leu Pro Ala Leu Gly Arg Ala Leu Gly His Ser Ile Gln Gln
 85 90 95
Arg Ala Thr Ser Thr Ala Lys Thr Trp Trp Asp Arg Tyr Glu Glu Phe
 100 105 110
Val Gly Leu Asn Glu Val Arg Glu Ala Gln Gly Lys Val Thr Glu Ala
 115 120 125
Glu Lys Val Phe Met Val Ala Arg Gly Leu Val Arg Glu Ala Arg Glu
 130 135 140
Asp Leu Glu Val His Gln Ala Lys Leu Lys Glu Val Arg Asp Arg Leu
 145 150 155 160
Asp Arg Val Ser Arg Glu Asp Ser Gln Tyr Leu Glu Leu Ala Thr Leu
 165 170 175
Glu His Arg Met Leu Gln Glu Lys Arg Leu Arg Thr Ala Tyr Leu
 180 185 190
Arg Ala Glu Asp Ser Glu Arg Glu Lys Phe Ser Leu Phe Ser Ala Ala
 195 200 205
Val Arg Glu Ser His Glu Lys Glu Arg Thr Arg Ala Glu Arg Thr Lys
 210 215 220
Asn Trp Ser Leu Ile Gly Ser Val Leu Gly Ala Leu Ile Gly Val Ala
 225 230 235 240
Gly Ser Thr Tyr Val Asn Arg Val Arg Leu Gln Glu Leu Lys Ala Leu
 245 250 255
Leu Leu Glu Ala Gln Lys Gly Pro Val Ser Leu Gln Glu Ala Ile Arg
 260 265 270
Glu Gln Ala Ser Ser Tyr Ser Arg Gln Gln Arg Asp Leu His Asn Leu
 275 280 285
Met Val Asp Leu Arg Gly Leu Val His Ala Ala Gly Pro Gly Gln Asp
 290 295 300
Ser Gly Ser Gln Ala Gly Ser Pro Pro Thr Arg Asp Arg Asp Val Asp
 305 310 315 320
Val Leu Ser Ala Ala Leu Lys Glu Gln Leu Ser His Ser Arg Gln Val
 325 330 335
His Ser Cys Leu Glu Gly Leu Arg Glu Gln Leu Asp Gly Leu Glu Lys
 340 345 350

Thr Cys Ser Gln Met Ala Gly Val Val Gln Leu Val Lys Ser Ala Ala
 355 360 365
 His Pro Gly Leu Val Glu Pro Ala Asp Gly Ala Met Pro Ser Phe Leu
 370 375 380
 Leu Glu Gln Gly Ser Met Ile Leu Ala Leu Ser Asp Thr Glu Gln Arg
 385 390 395 400
 Leu Glu Ala Gln Val Asn Arg Asn Thr Ile Tyr Ser Thr Leu Val Thr
 405 410 415
 Cys Val Thr Phe Val Ala Thr Leu Pro Val Leu Tyr Met Leu Phe Lys
 420 425 430
 Ala Ser
 434

<210> 743
 <211> 211
 <212>Amino acid
 <213> Homo sapiens

<400> 743

Asn Leu Pro Pro Leu Thr Pro Gln Pro Gly Pro Arg Leu Ala Gly Ser
 1 5 10 15
 Gly Pro Ser His Trp Phe Ser Pro Leu Ser Leu Pro Val Ala Ser Lys
 20 25 30
 Ala Pro Gly Thr Met Ala Gln Ala Leu Gly Glu Asp Leu Val Gln Pro
 35 40 45
 Pro Glu Leu Gln Asp Asp Ser Ser Ser Leu Gly Ser Asp Ser Glu Leu
 50 55 60
 Ser Gly Pro Gly Pro Tyr Arg Gln Ala Asp Arg Tyr Gly Phe Ile Gly
 65 70 75 80
 Gly Ser Ser Ala Glu Pro Gly Pro His Pro Pro Ala Asp Leu Ile
 85 90 95
 Arg Gln Arg Glu Met Lys Trp Val Glu Met Thr Ser His Trp Glu Lys
 100 105 110
 Thr Met Ser Arg Arg Tyr Lys Lys Val Lys Met Gln Cys Arg Lys Gly
 115 120 125
 Ile Pro Ser Ala Leu Arg Ala Arg Cys Trp Pro Leu Leu Cys Gly Ala
 130 135 140
 His Val Cys Gln Lys Asn Ser Pro Gly Thr Tyr Gln Glu Leu Ala Glu
 145 150 155 160
 Ala Pro Gly Asp Pro Gln Trp Met Glu Thr Ile Gly Arg Asp Leu His
 165 170 175
 Arg Gln Phe Pro Leu His Glu Met Phe Val Ser Pro Gln Gly His Gly
 180 185 190
 Gln Gln Gly Leu Leu Gln Val Leu Lys Ala Tyr Thr Leu Tyr Arg Pro
 195 200 205
 Glu Gln Gly
 210 211

<210> 744
 <211> 55
 <212>Amino acid
 <213> Homo sapiens

Leu Arg Gly Met Ala Ala Ala Ala Gly Pro Ala Ala Ser Gln Arg
 1 5 10 15
 Phe Phe Gln Ser Phe Ser Asp Ala Leu Ile Asp Gln Asp Pro Gln Ala
 20 25 30
 Ala Leu Glu Val Gly Glu Pro Phe Leu Leu Pro Pro Leu Pro Ala Asp
 35 40 45
 Pro Pro Pro Ser Ser Thr Ala
 50 55

<210> 745
<211> 182
<212>Amino acid
<213> Homo sapiens

<400> 745
Trp Ala Cys Phe Arg Ser Ala His Cys Ser Arg His Leu Arg Asn Arg
 1 5 10 15
Ile Phe Met Tyr Leu Tyr Trp Asp Lys Thr Arg Ser Pro Val Cys Lys
 20 25 30
Gly Pro Ala Leu Arg Glu Glu Arg Pro Gln Pro Arg Leu Lys Leu Glu
 35 40 45
Asp Tyr Lys Asp Arg Leu Lys Ser Gly Glu His Leu Asn Pro Asp Gln
 50 55 60
Leu Glu Ala Val Glu Lys Tyr Glu Glu Val Leu His Asn Leu Glu Phe
 65 70 75 80
Ala Lys Glu Leu Gln Lys Thr Phe Ser Gly Leu Ser Leu Asp Leu Leu
 85 90 95
Lys Ala Gln Lys Ala Gln Arg Arg Glu His Met Leu Lys Leu Glu
 100 105 110
Ala Glu Lys Lys Leu Arg Thr Ile Leu Gln Val Gln Tyr Val Leu
 115 120 125
Gln Asn Leu Thr Gln Glu His Val Gln Lys Asp Phe Lys Gly Gly Leu
 130 135 140
Asn Gly Ala Val Tyr Leu Pro Ser Lys Glu Leu Asp Tyr Leu Ile Lys
 145 150 155 160
Phe Ser Lys Leu Thr Cys Pro Glu Arg Asn Glu Ser Leu Arg Gln Thr
 165 170 175
Leu Glu Gly Ser Thr Val
 180 182

<210> 746
<211> 136
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(136)
<223> X = any amino acid or stop code

<400> 746
Xaa Ala Gly Val Gln Met Lys Leu Glu Phe Leu Gln Arg Lys Phe Trp
 1 5 10 15
Ala Ala Thr Arg Gln Cys Ser Thr Val Asp Gly Pro Cys Thr Gln Ser

20	25	30
Cys Glu Asp Ser Asp Leu Asp Cys Phe Val Ile Asp Asn Asn Gly Phe		
35	40	45
Ile Leu Ile Ser Lys Arg Ser Arg Glu Thr Gly Arg Phe Leu Gly Glu		
50	55	60
Val Asp Gly Ala Val Leu Thr Gln Leu Leu Ser Met Gly Val Phe Ser		
65	70	75
Gln Val Thr Met Tyr Asp Tyr Gln Ala Met Cys Lys Pro Ser Ser His		80
85	90	95
His His Ser Ala Ala Gln Pro Leu Val Ser Pro Ile Ser Ala Phe Leu		
100	105	110
Thr Ala Thr Arg Trp Leu Leu Gln Glu Leu Val Leu Phe Leu Leu Glu		
115	120	125
Trp Ser Val Trp Gly Ser Xaa *		
130	135	

<210> 747
<211> 156
<212>Amino acid
<213> Homo sapiens

<400> 747			
Cys Arg Gly Arg Leu Ala Gln Leu Glu Glu Ala Ala Val Ala Ala Thr			
1	5	10	15
Met Ser Ala Gly Asp Ala Val Cys Thr Gly Trp Leu Val Lys Ser Pro			
20	25	30	
Pro Glu Arg Lys Leu Gln Arg Tyr Ala Trp Arg Lys Arg Trp Phe Val			
35	40	45	
Leu Arg Arg Gly Arg Met Ser Gly Asn Pro Asp Val Leu Glu Tyr Tyr			
50	55	60	
Arg Asn Lys His Ser Ser Lys Pro Ile Arg Val Ile Asp Leu Ser Glu			
65	70	75	80
Cys Ala Val Trp Lys His Val Gly Pro Ser Phe Val Arg Lys Glu Phe			
85	90	95	
Gln Asn Asn Phe Val Phe Ile Val Lys Thr Thr Ser Arg Thr Phe Tyr			
100	105	110	
Leu Val Ala Lys Thr Glu Gln Glu Met Gln Val Trp Val His Ser Ile			
115	120	125	
Ser Gln Val Cys Asn Leu Gly His Leu Glu Asp Gly Ala Ala Asp Ser			
130	135	140	
Met Glu Ser Leu Ser Tyr Thr Arg Ser Tyr Leu Gln			
145	150	155	156

<210> 748
<211> 55
<212>Amino acid
<213> Homo sapiens

<400> 748			
Ile Pro Ala Val Pro Leu Thr Ser Cys Val Thr Val Gly Ser Tyr Ser			
1	5	10	15
Leu Ser Val Arg Asp Tyr Asp Pro Arg Gln Gly Asp Thr Val Lys His			
20	25	30	
Tyr Lys Ile Arg Thr Leu Asp Lys Arg Gly Phe Tyr Ile Ser Pro Arg			

35	40	45
Ser Thr Phe Ser Thr Leu Gln		
50	55	

<210> 749
<211> 381
<212>Amino acid
<213> Homo sapiens

<400> 749		
Lys Asp Ser Val Leu Asn Ile Ala Arg Gly Lys Lys Tyr Gly Glu Lys		
1	5	10
Thr Lys Arg Val Ser Ser Arg Lys Lys Pro Ala Leu Lys Cys Thr Ser		
20	25	30
Gln Lys Gln Pro Ala Leu Lys Ala Ile Cys Asp Lys Glu Asp Ser Val		
35	40	45
Pro Asn Thr Ala Thr Glu Lys Lys Asp Glu Gln Ile Ser Gly Thr Val		
50	55	60
Ser Ser Gln Lys Gln Pro Ala Leu Lys Ala Thr Ser Asp Lys Lys Asp		
65	70	75
80		
Ser Val Ser Asn Ile Pro Thr Glu Ile Lys Asp Gly Gln Gln Ser Gly		
85	90	95
Thr Val Ser Ser Gln Lys Gln Pro Ala Trp Lys Ala Thr Ser Val Lys		
100	105	110
Lys Asp Ser Val Ser Asn Ile Ala Thr Glu Ile Lys Asp Gly Gln Ile		
115	120	125
Arg Gly Thr Val Ser Ser Gln Arg Gln Pro Ala Leu Lys Ala Thr Gly		
130	135	140
Asp Glu Lys Asp Ser Val Ser Asn Ile Ala Arg Glu Ile Lys Asp Gly		
145	150	155
160		
Glu Lys Ser Gly Thr Val Ser Pro Gln Lys Gln Ser Ala Gln Lys Val		
165	170	175
Ile Phe Lys Lys Val Ser Leu Leu Asn Ile Ala Thr Arg Ile Thr		
180	185	190
Gly Gly Trp Lys Ser Gly Thr Glu Tyr Pro Glu Asn Leu Pro Thr Leu		
195	200	205
Lys Ala Thr Ile Glu Asn Lys Asn Ser Val Leu Asn Thr Ala Thr Lys		
210	215	220
Met Lys Asp Val Gln Thr Ser Thr Pro Glu Gln Asp Leu Glu Met Ala		
225	230	235
240		
Ser Glu Gly Glu Gln Lys Arg Leu Glu Glu Tyr Glu Asn Asn Gln Pro		
245	250	255
Gln Val Lys Asn Gln Ile His Ser Arg Asp Asp Leu Asp Asp Ile Ile		
260	265	270
Gln Ser Ser Gln Thr Val Ser Glu Asp Gly Asp Ser Leu Cys Cys Asn		
275	280	285
Cys Lys Asn Val Ile Leu Leu Ile Asp Gln His Glu Met Lys Cys Lys		
290	295	300
Asp Cys Val His Leu Leu Lys Ile Lys Lys Thr Phe Cys Leu Cys Lys		
305	310	315
320		
Arg Leu Thr Glu Leu Lys Asp Asn His Cys Glu Gln Leu Arg Val Lys		
325	330	335
Ile Arg Lys Leu Lys Asn Lys Ala Ser Val Leu Gln Lys Arg Leu Ser		
340	345	350
Glu Lys Glu Glu Ile Lys Ser Gln Leu Lys His Glu Thr Leu Glu Leu		
355	360	365
Glu Lys Glu Leu Cys Ser Leu Arg Phe Ala Ile Gln Gln		
370	375	380 381

<210> 750
 <211> 296
 <212>Amino acid
 <213> Homo sapiens

<400> 750
 Ser Pro Leu Arg Tyr Arg Ala Gly Gln Ser Gly Ser Thr Ile Ser Ser
 1 5 10 15
 Ser Ser Cys Ala Met Trp Arg Cys Gly Gly Arg Gln Gly Leu Cys Val
 20 25 30
 Leu Arg Arg Leu Ser Gly Gly His Ala His His Arg Ala Trp Arg Trp
 35 40 45
 Asn Ser Asn Arg Ala Cys Glu Arg Ala Leu Gln Tyr Lys Leu Gly Asp
 50 55 60
 Lys Ile His Gly Phe Thr Val Asn Gln Val Thr Ser Val Pro Glu Leu
 65 70 75 80
 Phe Leu Thr Ala Val Lys Leu Thr His Asp Asp Thr Gly Ala Arg Tyr
 85 90 95
 Leu His Leu Ala Arg Glu Asp Thr Asn Asn Leu Phe Ser Val Gln Phe
 100 105 110
 Arg Thr Thr Pro Met Asp Ser Thr Gly Val Pro His Ile Leu Glu His
 115 120 125
 Thr Val Leu Cys Gly Ser Gln Lys Tyr Pro Cys Arg Asp Pro Phe Phe
 130 135 140
 Lys Met Leu Asn Arg Ser Leu Ser Thr Phe Met Asn Ala Phe Thr Ala
 145 150 160
 Ser Asp Tyr Thr Leu Tyr Pro Phe Ser Thr Gln Asn Pro Lys Asp Phe
 165 170 175
 Gln Asn Leu Leu Ser Val Tyr Leu Asp Ala Thr Phe Phe Pro Cys Leu
 180 185 190
 Arg Glu Leu Asp Phe Trp Gln Glu Gly Trp Arg Leu Glu His Glu Asn
 195 200 205
 Pro Ser Asp Pro Gln Thr Pro Leu Val Phe Lys Gly Val Val Phe Asn
 210 215 220
 Glu Met Lys Gly Ala Phe Thr Asp Asn Glu Arg Ile Phe Ser Gln His
 225 230 235 240
 Leu Gln Asn Arg Leu Leu Pro Asp His Thr Tyr Ser Val Val Ser Gly
 245 250 255
 Gly Asp Pro Leu Cys Ile Pro Glu Leu Thr Trp Glu Gln Leu Lys Gln
 260 265 270
 Phe His Ala Thr His Tyr His Pro Ser Asn Ala Arg Phe Phe Thr Tyr
 275 280 285
 Gly Asn Phe Pro Leu Asp Gln His
 290 295 296

<210> 751
 <211> 163
 <212>Amino acid
 <213> Homo sapiens

<400> 751
 Arg Gly Ala Lys Ala Lys Ser Ala Val Leu Pro Pro Gly Pro Pro Cys
 1 5 10 15
 Ser Ser Ile Leu Ile Leu Ser Pro Pro Ala Pro Leu Thr Pro Arg Ser

20	25	30
Pro Gly Thr Glu Ala Thr Arg Pro Thr Ala Met Ser Lys Ser Leu Lys		
35	40	45
Lys Lys Ser His Trp Thr Ser Lys Val His Glu Ser Val Ile Gly Arg		
50	55	60
Asn Pro Glu Gly Gln Leu Gly Phe Glu Leu Lys Gly Gly Ala Glu Asn		
65	70	75
Gly Gln Phe Pro Tyr Leu Gly Glu Val Lys Pro Gly Lys Val Ala Tyr		80
85	90	95
Glu Ser Gly Ser Lys Leu Val Ser Glu Glu Leu Leu Glu Val Asn		
100	105	110
Glu Thr Pro Val Ala Gly Leu Thr Ile Arg Asp Val Leu Ala Val Ile		
115	120	125
Lys His Cys Lys Asp Pro Leu Arg Leu Lys Cys Val Lys Gln Gly Glu		
130	135	140
Ser Ser Gly Leu Leu Ser Val Leu Pro Gly Gly Thr Ala Arg Gly		
145	150	155
Ala Gly Gln		160
	163	

<210> 752

<211> 99

<212>Amino acid

<213> Homo sapiens

<400> 752

Ser His Arg Pro Gln Pro Asp Ala Trp Arg Gln Gly Asn Ala Phe Gln			
1	5	10	15
Cys Val Gln Lys Glu Lys Met Gln Val Ser Ser Ala Glu Val Arg Ile			
20	25	30	
Gly Pro Met Arg Leu Thr Gln Asp Pro Ile Gln Val Leu Leu Ile Phe			
35	40	45	
Ala Lys Glu Asp Ser Gln Ser Asp Gly Phe Trp Trp Ala Cys Asp Arg			
50	55	60	
Ala Gly Tyr Arg Cys Asn Ile Ala Arg Thr Pro Glu Ser Ala Leu Glu			
65	70	75	80
Cys Phe Leu Asp Lys His His Glu Ile Ile Val Ile Asp His Arg Gln			
85	90	95	
Thr Gln Asn			
	99		

<210> 753

<211> 193

<212>Amino acid

<213> Homo sapiens

<400> 753

Phe Arg Leu Ala Gly Cys Gly His Leu Leu Val Ser Leu Leu Gly Leu			
1	5	10	15
Leu Leu Leu Ala Arg Ser Gly Thr Arg Ala Leu Val Cys Leu Pro			
20	25	30	
Cys Asp Glu Ser Lys Cys Glu Glu Pro Arg Asn Cys Pro Gly Ser Ile			
35	40	45	
Val Gln Gly Val Cys Gly Cys Cys Tyr Thr Cys Ala Ser Gln Arg Asn			

50	55	60															
Glu	Ser	Cys	Gly	Gly	Thr	Phe	Gly	Ile	Tyr	Gly	Thr	Cys	Asp	Arg	Gly		
65						70		75							80		
Leu	Arg	Cys	Val	Ile	Arg	Pro	Pro	Leu	Asn	Gly	Asp	Ser	Leu	Thr	Glu		
														85	90	95	
Tyr	Glu	Ala	Gly	Val	Cys	Glu	Asp	Glu	Asn	Trp	Thr	Asp	Asp	Gln	Leu		
														100	105	110	
Leu	Gly	Phe	Lys	Pro	Cys	Asn	Glu	Asn	Leu	Ile	Ala	Gly	Cys	Asn	Ile		
														115	120	125	
Ile	Asn	Gly	Lys	Cys	Glu	Cys	Asn	Thr	Ile	Arg	Thr	Cys	Ser	Asn	Pro		
														130	135	140	
Phe	Glu	Phe	Pro	Ser	Gln	Asp	Met	Cys	Leu	Ser	Ala	Leu	Lys	Arg	Ile		
														145	150	155	160
Glu	Glu	Glu	Lys	Pro	Asp	Cys	Ser	Lys	Ala	Arg	Cys	Glu	Val	Gln	Phe		
														165	170	175	
Ser	Pro	Arg	Cys	Pro	Glu	Asp	Ser	Val	Leu	Ile	Glu	Gly	Tyr	Ala	Pro		
														180	185	190	
Pro																	
														193			

<210> 754
 <211> 73
 <212>Amino acid
 <213> Homo sapiens

<400> 754																
Phe	Arg	Met	Ala	Ala	Asn	Val	Gly	Ser	Met	Phe	Gln	Tyr	Trp	Lys	Arg	
1									5					10		15
Phe	Asp	Leu	Gln	Gln	Leu	Gln	Arg	Glu	Leu	Asp	Ala	Thr	Ala	Thr	Val	
														20	25	30
Leu	Ala	Asn	Arg	Gln	Asp	Glu	Ser	Glu	Gln	Ser	Arg	Lys	Arg	Leu	Ile	
														35	40	45
Glu	Gln	Ser	Arg	Glu	Phe	Lys	Lys	Asn	Thr	Pro	Glu	Val	Arg	Arg	Val	
														50	55	60
Thr	Ile	Val	Phe	Ala	Leu	Lys	Gly	Ser								
														65	70	73

<210> 755
 <211> 83
 <212>Amino acid
 <213> Homo sapiens

<400> 755																
Glu	Thr	Leu	Ser	Cys	Arg	Ile	Met	Asp	His	Pro	Ser	Arg	Glu	Lys	Asp	
1									5					10		15
Glu	Arg	Gln	Arg	Thr	Thr	Lys	Pro	Met	Ala	Gln	Arg	Ser	Ala	His	Cys	
														20	25	30
Ser	Arg	Pro	Ser	Gly	Ser	Ser	Ser	Ser	Ser	Gly	Val	Leu	Met	Val	Gly	
														35	40	45
Pro	Asn	Phe	Arg	Val	Gly	Lys	Lys	Ile	Gly	Cys	Gly	Asn	Phe	Gly	Glu	
														50	55	60
Leu	Arg	Leu	Gly	Glu	Gly	Leu	Pro	Gln	Val	Tyr	Tyr	Phe	Gly	Pro	Cys	
														65	70	75
Gly	Lys	Tyr														80

83

<210> 756
<211> 100
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(100)
<223> X = any amino acid or stop code

<400> 756
Gly Cys Cys Lys Asp Xaa His Ser Gly Val Ile Gly Arg Ser Trp Ala
1 5 10 15
Met Leu Phe Ala Ser Gly Gly Phe Gln Val Lys Leu Tyr Asp Ile Glu
20 25 30
Gln Gln Gln Ile Arg Asn Ala Leu Glu Asn Ile Arg Trp Ala Ser Arg
35 40 45
Arg Ser Pro Glu Gly Met Glu Val Gly Leu Phe Leu Ser Val Gly Leu
50 55 60
Val Cys His Ile Leu Lys Ala Met Arg Ile Cys Asp Val Thr Phe Ser
65 70 75 80
Ser Asp Gly Tyr Cys Ser Ala Ser Glu Leu Val Lys Ala Arg Pro Thr
85 90 95
Val Ala Gly Met
100

<210> 757
<211> 130
<212>Amino acid
<213> Homo sapiens

<400> 757
Asn Ser Arg Val Asp Asp Phe Val Ser Ala Arg Pro Lys Pro Arg Pro
1 5 10 15
Leu Pro Arg Ala Arg Gly Met Val Val Val Thr Gly Arg Glu Pro Asp
20 25 30
Ser Arg Arg Gln Asp Gly Ala Met Ser Ser Ser Asp Ala Glu Asp Asp
35 40 45
Phe Leu Glu Pro Ala Thr Pro Thr Ala Thr Gln Ala Gly His Ala Leu
50 55 60
Pro Pro Ala Ala Thr Gly Ser Phe Leu Arg Leu Phe Pro Leu Thr Ser
65 70 75 80
Glu Gly Leu Thr Ser Leu His Ala Cys Pro His Cys Gly Ala Thr Lys
85 90 95
Thr Pro Cys Trp Gln Pro Cys Ser Val Gly Gly Thr Thr Ser Pro Arg
100 105 110
Thr Pro Arg Ala Gly Thr Ser Ser Thr Glu Met Ala His Thr Leu Glu
115 120 125
Met Cys
130

<210> 758
<211> 121
<212>Amino acid
<213> Homo sapiens

<400> 758
Arg Ala Leu Trp Val Gly Gly Cys Ser Gly Glu Ala Cys Gly Ile Gly
1 5 10 15
Met Ser Gly Leu Leu Thr Asp Pro Glu Gln Arg Ala Gln Glu Pro Arg
20 25 30
Tyr Pro Gly Phe Val Leu Gly Leu Asp Val Gly Ser Ser Val Ile Arg
35 40 45
Cys His Val Tyr Asp Arg Ala Ala Arg Val Cys Gly Ser Ser Val Gln
50 55 60
Lys Val Glu Asn Leu Tyr Pro Gln Ile Gly Trp Val Glu Ile Asp Pro
65 70 75 80
Asp Val Leu Trp Ile Gln Phe Val Ala Val Ile Lys Glu Ala Val Lys
85 90 95
Ala Ala Gly Ile Gln Met Asn Gln Ile Val Gly Leu Gly Ile Ser Thr
100 105 110
Gln Arg Ala Thr Phe Ile Thr Trp Asn
115 120 121

<210> 759
<211> 210
<212>Amino acid
<213> Homo sapiens

<400> 759
Gly Leu Ala Ala Glu Gln Ser Met Gln Phe Val Lys Leu Trp Cys Gly
1 5 10 15
Cys Ser Gly Glu Phe Pro Thr Arg Leu Arg Arg Arg Thr Pro Leu Thr
20 25 30
Glu Ala Met Glu Gly Gly Pro Ala Val Cys Cys Gln Asp Pro Arg Ala
35 40 45
Glu Leu Val Glu Arg Val Ala Ala Ile Asp Val Thr His Leu Glu Glu
50 55 60
Ala Asp Gly Gly Pro Glu Pro Thr Arg Asn Gly Val Asp Pro Pro Pro
65 70 75 80
Arg Ala Arg Ala Ala Ser Val Ile Pro Gly Ser Thr Ser Arg Leu Leu
85 90 95
Pro Ala Arg Pro Ser Leu Ser Ala Arg Lys Leu Ser Leu Gln Glu Arg
100 105 110
Pro Ala Gly Ser Tyr Leu Glu Ala Gln Ala Gly Pro Tyr Ala Thr Gly
115 120 125
Pro Ala Ser His Ile Ser Pro Arg Ala Trp Arg Arg Pro Thr Ile Glu
130 135 140
Ser His His Val Ala Ile Ser Asp Ala Glu Asp Cys Val Gln Leu Asn
145 150 155 160
Gln Tyr Lys Leu Gln Ser Glu Ile Gly Lys Gly Ala Tyr Gly Val Val
165 170 175
Arg Leu Ala Tyr Asn Glu Ser Glu Asp Arg His Tyr Ala Met Lys Val
180 185 190
Leu Ser Lys Lys Lys Leu Leu Lys Gln Tyr Gly Phe Pro Arg Arg Pro
195 200 205

Pro Pro
210

<210> 760
<211> 172
<212>Amino acid
<213> Homo sapiens

<400> 760
 Phe Val Tyr Gly Lys Pro Val Thr Leu Trp Pro Thr Ile Ser Ser Val
 1 5 10 15
 Val Pro Ser Thr Phe Leu Gly Leu Gly Asn Tyr Glu Val Glu Val Glu
 20 25 30
 Ala Glu Pro Asp Val Arg Gly Pro Glu Ile Val Thr Met Gly Glu Asn
 35 40 45
 Asp Pro Pro Ala Val Glu Ala Pro Phe Ser Phe Arg Ser Leu Phe Gly
 50 55 60
 Leu Asp Asp Leu Lys Ile Ser Pro Val Ala Pro Asp Ala Asp Ala Val
 65 70 75 80
 Ala Ala Gln Ile Leu Ser Leu Leu Pro Leu Lys Phe Phe Pro Ile Ile
 85 90 95
 Val Ile Gly Ile Ile Ala Leu Ile Leu Ala Leu Ala Ile Gly Leu Gly
 100 105 110
 Ile His Phe Asp Cys Ser Gly Lys Tyr Arg Cys Arg Ser Ser Phe Lys
 115 120 125
 Cys Ile Glu Leu Ile Ala Arg Cys Asp Gly Val Ser Asp Cys Lys Asp
 130 135 140
 Gly Glu Asp Glu Tyr Arg Cys Val Arg Val Gly Gly Gln Asn Ala Ala
 145 150 155 160
 Leu Gln Val Phe Thr Ala Ala Ser Arg Lys Thr Met
 165 170 172

<210> 761
<211> 104
<212>Amino acid
<213> Homo sapiens

<400> 761
 Ser Leu Ala Met Pro Phe Gly Cys Val Thr Leu Gly Asp Lys Lys Asn
 1 5 10 15
 Tyr Asn Gln Pro Ser Glu Val Thr Asp Arg Tyr Asp Leu Gly Gln Val
 20 25 30
 Ile Lys Thr Glu Glu Phe Cys Glu Ile Phe Arg Ala Lys Asp Lys Thr
 35 40 45
 Thr Gly Lys Leu His Thr Cys Lys Lys Phe Gln Lys Arg Asp Gly Arg
 50 55 60
 Lys Val Arg Lys Ala Ala Lys Asn Glu Ile Gly Ile Leu Lys Met Val
 65 70 75 80
 Lys His Pro Asn Ile Leu Gln Leu Val Asp Val Phe Val Thr Arg Lys
 85 90 95
 Glu Tyr Phe Ile Phe Leu Glu Leu
 100 104

<210> 762
<211> 249
<212>Amino acid
<213> Homo sapiens

<400> 762

Gln	Arg	Arg	Arg	Phe	Arg	Ala	Gly	Leu	Trp	Gly	Gly	His	Gly	Leu	Thr
1				5					10						15
Asp	Gly	Leu	Arg	Arg	Asn	Gly	Gly	Cys	Gly	Cys	Ser	Ala	Arg	Val	Pro
								20		25				30	
Arg	Val	Gly	Glu	Arg	Leu	Arg	Gly	His	Arg	Cys	Pro	Asp	Pro	Leu	Cys
					35			40				45			
Leu	Leu	Leu	Asp	Met	Leu	Phe	Leu	Ser	Phe	His	Ala	Gly	Ser	Trp	Glu
					50			55				60			
Ser	Trp	Cys	Cys	Cys	Cys	Leu	Ile	Pro	Ala	Asp	Arg	Pro	Trp	Asp	Arg
					65		70			75				80	
Gly	Gln	His	Trp	Gln	Leu	Glu	Met	Ala	Asp	Thr	Arg	Ser	Val	His	Glu
					85			90				95			
Thr	Arg	Phe	Glu	Ala	Ala	Val	Lys	Val	Ile	Gln	Ser	Leu	Pro	Lys	Asn
					100			105				110			
Gly	Ser	Phe	Gln	Pro	Thr	Asn	Glu	Met	Met	Leu	Lys	Phe	Tyr	Ser	Phe
					115			120				125			
Tyr	Lys	Gln	Ala	Thr	Glu	Gly	Pro	Cys	Lys	Leu	Ser	Arg	Pro	Gly	Phe
					130		135			140					
Trp	Asp	Pro	Ile	Gly	Arg	Tyr	Lys	Trp	Asp	Ala	Trp	Ser	Ser	Leu	Gly
					145		150			155			160		
Asp	Met	Thr	Lys	Glu	Ala	Met	Ile	Ala	Tyr	Val	Glu	Glu	Met	Lys	
					165			170			175				
Lys	Ile	Ile	Glu	Thr	Met	Pro	Met	Thr	Glu	Lys	Val	Glu	Glu	Leu	Leu
					180			185			190				
Arg	Val	Ile	Gly	Pro	Phe	Tyr	Glu	Ile	Val	Glu	Asp	Lys	Lys	Ser	Gly
					195			200			205				
Arg	Ser	Ser	Asp	Ile	Thr	Ser	Asp	Leu	Gly	Asn	Val	Leu	Thr	Ser	Thr
					210		215			220					
Pro	Asn	Ala	Lys	Thr	Val	Asn	Gly	Lys	Ala	Glu	Ser	Ser	Asp	Ser	Gly
					225		230			235			240		
Ala	Glu	Ser	Glu	Glu	Glu	Ala	Cys								
				245			249								

<210> 763
<211> 184
<212>Amino acid
<213> Homo sapiens

<400> 763

Ser	Cys	Phe	Lys	Gly	Arg	Thr	Gly	Gly	Arg	Ser	Ser	Gly	Asp		
1					5				10				15		
Ser	Ser	Arg	Trp	Ala	Arg	Cys	Gly	Arg	His	Phe	Ser	Ala	Ser	Thr	Glu
					20			25				30			
Glu	Pro	Pro	Leu	Ser	Gln	Pro	Cys	Ser	Ala	Leu	Pro	Arg	Ser	Gly	Arg
					35			40			45				
Arg	Gly	Cys	Ala	Val	Pro	Ser	Ser	Val	Thr	Lys	Met	Leu	Ser	Phe	Phe
					50			55			60				
Arg	Arg	Thr	Leu	Gly	Arg	Arg	Ser	Met	Arg	Lys	His	Ala	Glu	Lys	Glu
					65			70			75			80	

Arg Leu Arg Glu Ala Gln Arg Ala Ala Thr His Ile Pro Ala Ala Gly
 85 90 95
 Asp Ser Lys Ser Ile Ile Thr Cys Arg Val Ser Leu Leu Asp Gly Thr
 100 105 110
 Asp Val Ser Val Asp Leu Pro Lys Lys Ala Lys Gly Gln Glu Leu Phe
 115 120 125
 Asp Gln Ile Met Tyr His Leu Asp Leu Ile Glu Ser Asp Tyr Phe Gly
 130 135 140
 Leu Arg Phe Met Asp Ser Ala Gln Val Ala His Trp Leu Asp Gly Thr
 145 150 155 160
 Lys Ser Ile Lys Lys Gln Val Lys Ile Gly Ser Pro Tyr Cys Leu His
 165 170 175
 Leu Arg Val Lys Phe Tyr Ser Ser
 180 184

<210> 764
<211> 138
<212>Amino acid
<213> Homo sapiens

<400> 764
 Glu Ser Arg Glu Arg Ser Gly Asn Arg Arg Gly Ala Glu Asp Arg Gly
 1 5 10 15
 Thr Cys Gly Leu Gln Ser Pro Ser Ala Met Leu Gly Ala Lys Pro His
 20 25 30
 Trp Leu Pro Gly Pro Leu His Ser Pro Gly Leu Pro Leu Val Leu Val
 35 40 45
 Leu Leu Ala Leu Gly Ala Gly Trp Ala Gln Glu Gly Ser Glu Pro Val
 50 55 60
 Leu Leu Glu Gly Glu Cys Leu Val Val Cys Glu Pro Gly Arg Ala Ala
 65 70 75 80
 Ala Gly Gly Pro Gly Gly Ala Ala Leu Gly Glu Ala Pro Pro Gly Arg
 85 90 95
 Val Ala Phe Ala Ala Val Arg Ser His His His Glu Pro Ala Gly Glu
 100 105 110
 Thr Gly Asn Gly Thr Ser Gly Ala Ile Tyr Phe Asp Gln Val Leu Val
 115 120 125
 Asn Glu Gly Gly Gly Phe Asp Arg Ala Ser
 130 135 138

<210> 765
<211> 168
<212>Amino acid
<213> Homo sapiens

<400> 765
 Glu Asp Val Lys Ser Tyr Tyr Thr Val His Leu Pro Gln Leu Glu Asn
 1 5 10 15
 Ile Asn Ser Gly Glu Thr Arg Thr Ile Ser His Phe His Tyr Thr Thr
 20 25 30
 Trp Pro Asp Phe Gly Val Pro Gln Ser Pro Ala Ser Phe Leu Asn Phe
 35 40 45
 Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Asn Pro Asp His Gly Pro
 50 55 60

Val Val Ile His Arg Ser Ala Gly Thr Gly Arg Ser Ser Thr Phe Ser
 65 70 75 80
 Val Val His Thr Cys Leu Val Leu Met Glu Lys Gly Asp Asp Ile Asn
 85 90 95
 Ile Lys Gln Val Leu Leu Asn Ile Arg Lys Phe Gln Met Gly Leu Ile
 100 105 110
 Gln Thr Pro Asp Gln Leu Arg Phe Ser Tyr Met Ala Ile Thr Glu Gly
 115 120 125
 Ala Lys Cys Val Lys Gly Asp Ser Ser Ile Gln Lys Arg Trp Lys Glu
 130 135 140
 Leu Ser Lys Glu Asp Leu Pro Pro Ala Phe Asp His Ser Pro Asn Lys
 145 150 155 160
 Ile Met Thr Glu Lys Tyr Asn Arg
 165 168

<210> 766
<211> 255
<212>Amino acid
<213> Homo sapiens

<400> 766
Leu Asn Arg Gln Arg Cys Gly Asp Gln Val Leu Val Pro Gly Thr Gly
 1 5 10 15
Leu Ala Ala Ile Leu Arg Thr Leu Pro Met Phe His Asp Glu Glu His
 20 25 30
Ala Arg Ala Arg Gly Leu Ser Glu Asp Thr Leu Val Leu Pro Pro Ala
 35 40 45
Ser Arg Asn Gln Arg Ile Leu Tyr Thr Val Leu Glu Cys Gln Pro Leu
 50 55 60
Phe Asp Ser Ser Asp Met Thr Ile Ala Glu Trp Val Cys Leu Ala Gln
 65 70 75 80
Thr Ile Lys Arg His Tyr Glu Gln Tyr His Gly Phe Val Val Ile His
 85 90 95
Gly Thr Asp Thr Met Ala Phe Ala Ala Ser Met Leu Ser Phe Met Leu
 100 105 110
Glu Asn Leu Gln Lys Thr Val Ile Leu Thr Gly Ala Gln Val Pro Ile
 115 120 125
His Ala Leu Trp Ser Asp Gly Arg Glu Asn Leu Leu Gly Ala Leu Leu
 130 135 140
Met Ala Gly Gln Tyr Val Ile Pro Glu Val Cys Leu Phe Phe Gln Asn
 145 150 155 160
Gln Leu Phe Arg Gly Asn Arg Ala Thr Lys Val Asp Ala Arg Arg Phe
 165 170 175
Ala Ala Phe Cys Ser Pro Asn Leu Leu Pro Leu Ala Thr Val Gly Ala
 180 185 190
Asp Ile Thr Ile Asn Arg Glu Leu Val Arg Lys Val Asp Gly Lys Ala
 195 200 205
Gly Leu Val Val His Ser Ser Met Glu Gln Asp Val Gly Leu Leu Arg
 210 215 220
Leu Tyr Pro Gly Ile Pro Ala Ala Leu Val Arg Ala Phe Leu Gln Pro
 225 230 235 240
Pro Leu Lys Gly Val Val Met Glu Thr Phe Gly Ser Gly Asn Gly
 245 250 255

<210> 767
<211> 260
<212>Amino acid
<213> Homo sapiens

<400> 767

Leu Phe Arg Leu Ala Pro Gly Phe Leu Arg Ser Leu Ala Arg Gln Gly
 1 5 10 15
 Tyr His Gln Ile Trp Ala Phe Pro Phe Leu Pro Ser Gly Ala Thr Ala
 20 25 30
 Thr Trp Pro Ala Ala Ser Arg Ser Arg Ser Leu Ala Ala Arg Ser Leu
 35 40 45
 Pro Arg Ser Pro Ala Arg Pro Gly Pro Asn Asp Ala Leu Leu Gly Glu
 50 55 60
 His Asp Phe Arg Gly Gln Gly Val Arg Ala Gln Arg Phe Arg Phe Ser
 65 70 75 80
 Glu Glu Pro Gly Pro Gly Ala Asp Gly Ala Val Leu Glu Val His Val
 85 90 95
 Pro Gln Ile Gly Ala Gly Val Ser Leu Pro Gly Ile Leu Ala Ala Lys
 100 105 110
 Cys Gly Ala Glu Val Ile Leu Ser Asp Ser Ser Glu Leu Pro His Cys
 115 120 125
 Leu Glu Val Cys Arg Gln Ser Cys Gln Met Asn Asn Leu Pro His Leu
 130 135 140
 Gln Val Val Gly Leu Thr Trp Gly His Ile Ser Trp Asp Leu Leu Ala
 145 150 155 160
 Leu Pro Pro Gln Asp Ile Ile Leu Ala Ser Asp Val Phe Phe Glu Pro
 165 170 175
 Glu Asp Phe Glu Asp Ile Leu Ala Thr Ile Tyr Phe Leu Met His Lys
 180 185 190
 Asn Pro Lys Val Gln Leu Trp Ser Thr Tyr Gln Val Arg Ser Ala Asp
 195 200 205
 Trp Ser Leu Glu Ala Leu Leu Tyr Lys Trp Asp Met Lys Cys Val His
 210 215 220
 Ile Pro Leu Glu Ser Phe Asp Ala Asp Lys Glu Asp Ile Ala Glu Ser
 225 230 235 240
 Thr Leu Pro Gly Arg His Thr Val Glu Met Leu Val Ile Ser Phe Ala
 245 250 255
 Lys Asp Ser Leu
 260

<210> 768

<211> 200

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(200)

<223> X = any amino acid or stop code

<400> 768

Ser Phe Ile Tyr Lys His Thr His Arg Ala Arg Phe Gly Pro Arg Ala
 1 5 10 15
 Ile Val Ala Ser Pro Ala Leu Thr Ala Gly Pro His Val Ser Leu Thr
 20 25 30
 Ala Ser Cys Arg Val Gly Met Trp Val Ser Cys Ser Pro Ser Pro Phe
 35 40 45
 Leu His Pro Thr Asn Thr Leu Val Ala Val Leu Glu Arg Asp Thr Leu

50	55	60
Gly Ile Arg Glu Val Arg Leu Phe Asn Ala Val Val Arg Trp Ser Glu		
65	70	75
Ala Glu Cys Gln Arg Gln Gln Leu Gln Val Thr Pro Glu Asn Arg Arg		
85	90	95
Lys Val Leu Gly Lys Ala Leu Gly Leu Ile Arg Phe Pro Leu Met Thr		
100	105	110
Ile Glu Glu Phe Ala Ala Gly Asn Arg Ala Arg Ala Gln Gly Leu Val		
115	120	125
Trp Glu Gly Ser Gly Thr Gln Val Gly Ile Trp Cys Thr Glu Asp Ser		
130	135	140
Ala Pro Glu Phe Thr Ala Glu Ser Leu Ala Asp Ala Trp His Ile Gln		
145	150	155
Ile Gly Arg Asn Leu Ala Cys Glu Asp Ala Ser Thr Trp Ala Ile Cys		
165	170	175
Xaa Pro Arg Pro Gly Ser Val Pro Thr Val His Thr Ala Arg Pro Arg		
180	185	190
Leu Ser Cys Leu Ser Ser Cys Phe		
195	200	

<210> 769
<211> 33
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(33)
<223> X = any amino acid or stop code

<400> 769			
Met Ala Ser Thr Gln Asp Ala Glu Leu Ala Val Ser Arg Xaa Arg Ala			
1	5	10	15
Ile Ala Leu Xaa Pro Gly Xaa Gln Ser Xaa Xaa Pro Ser Gln Lys Lys			
20	25	30	
Lys			
33			

<210> 770
<211> 599
<212>Amino acid
<213> Homo sapiens

<400> 770			
Leu Leu Lys Ser Cys Gly Val Leu Leu Ser Gly Val Cys Ile Pro Cys			
1	5	10	15
Glu Gly Lys Gly Pro Thr Val Leu Val Ile Gln Thr Ala Val Pro Gln			
20	25	30	
Asp Arg Pro Thr Lys Ser Ser Met Arg Ser Ala Ala Lys Pro Trp Asn			
35	40	45	
Pro Ala Ile Arg Ala Gly Gly His Gly Pro Asp Arg Val Arg Pro Leu			
50	55	60	
Pro Ala Ala Ser Ser Gly Met Lys Ser Ser Lys Ser Ser Thr Ser Leu			
65	70	75	80

Ala Phe Glu Ser Arg Leu Ser Arg Leu Lys Arg Ala Ser Ser Glu Asp
 85 90 95
 Thr Leu Asn Lys Pro Gly Ser Thr Ala Ala Ser Gly Val Val Arg Leu
 100 105 110
 Lys Lys Thr Ala Thr Ala Gly Ala Ile Ser Glu Leu Thr Glu Ser Arg
 115 120 125
 Leu Arg Ser Gly Thr Gly Ala Phe Thr Thr Thr Lys Arg Thr Gly Ile
 130 135 140
 Pro Ala Pro Arg Glu Phe Ser Val Thr Val Ser Arg Glu Arg Ser Val
 145 150 155 160
 Pro Arg Gly Pro Ser Asn Pro Arg Lys Ser Val Ser Ser Pro Thr Ser
 165 170 175
 Ser Asn Thr Pro Thr Pro Thr Lys His Leu Arg Thr Pro Ser Thr Lys
 180 185 190
 Pro Lys Gln Glu Asn Glu Gly Gly Glu Lys Val Arg Leu Ser Pro Lys
 195 200 205
 Phe Arg Glu Leu Leu Ala Glu Ala Lys Ala Lys Asp Ser Glu Ile Asn
 210 215 220
 Arg Leu Arg Ser Glu Leu Lys Tyr Lys Glu Lys Arg Thr Leu Asn
 225 230 235 240
 Ala Glu Gly Thr Asp Ala Leu Gly Pro Asn Val Asp Gly Thr Ser Val
 245 250 255
 Ser Pro Gly Asp Thr Glu Pro Met Ile Arg Ala Leu Glu Glu Lys Asn
 260 265 270
 Lys Asn Phe Gln Lys Glu Leu Ser Asp Leu Glu Glu Asn Arg Val
 275 280 285
 Leu Lys Glu Lys Leu Ile Tyr Leu Glu His Ser Pro Asn Ser Glu Gly
 290 295 300
 Ala Ala Ser His Thr Gly Asp Ser Ser Cys Pro Thr Ser Ile Thr Gln
 305 310 315 320
 Glu Ser Ser Phe Gly Ser Pro Thr Gly Asn Gln Leu Ser Ser Asp Ile
 325 330 335
 Asp Glu Tyr Lys Asn Ile His Gly Asn Ala Leu Arg Thr Ser Gly
 340 345 350
 Ser Ser Ser Asp Val Thr Lys Ala Ser Leu Ser Pro Asp Ala Ser
 355 360 365
 Asp Phe Glu His Ile Thr Ala Glu Thr Pro Ser Arg Pro Leu Ser Ser
 370 375 380
 Thr Ser Asn Pro Phe Lys Ser Ser Lys Cys Ser Thr Ala Gly Ser Ser
 385 390 395 400
 Pro Asn Ser Val Ser Glu Leu Ser Leu Ala Ser Leu Thr Glu Lys Ile
 405 410 415
 Gln Lys Met Glu Glu Asn His His Ser Thr Ala Glu Glu Leu Gln Ala
 420 425 430
 Thr Leu Gln Glu Leu Ser Asp Gln Gln Met Val Gln Glu Leu Thr
 435 440 445
 Ala Glu Asn Glu Lys Leu Val Asp Glu Lys Thr Ile Leu Glu Thr Ser
 450 455 460
 Phe His Gln His Arg Glu Arg Ala Glu Gln Leu Ser Gln Glu Asn Glu
 465 470 475 480
 Lys Leu Met Asn Leu Leu Gln Glu Arg Val Lys Asn Glu Glu Pro Thr
 485 490 495
 Thr Gln Glu Gly Lys Ile Ile Glu Leu Glu Gln Lys Cys Thr Gly Ile
 500 505 510
 Leu Glu Gln Gly Arg Phe Glu Arg Glu Lys Leu Leu Asn Ile Gln Gln
 515 520 525
 Gln Leu Thr Cys Ser Leu Arg Lys Val Glu Glu Asn Gln Gly Ala
 530 535 540
 Leu Glu Met Ile Lys Arg Leu Lys Glu Glu Asn Glu Lys Leu Asn Glu
 545 550 555 560
 Phe Leu Glu Leu Glu Arg His Asn Asn Asn Met Met Ala Lys Thr Leu
 565 570 575
 Glu Glu Cys Arg Val Thr Leu Glu Gly Leu Lys Met Glu Asn Gly Ser
 580 585 590

Leu Lys Ser His Leu Gln Gly
595 599

<210> 771
<211> 103
<212>Amino acid
<213> Homo sapiens

<400> 771
Ser Gln Met His Arg Leu Ile Phe Val Tyr Thr Leu Ile Cys Ala Asn
1 5 10 15
Phe Cys Ser Cys Arg Asp Thr Ser Ala Thr Pro Gln Ser Ala Ser Ile
20 25 30
Lys Ala Leu Arg Asn Ala Asn Leu Arg Arg Asp Glu Ser Asn His Leu
35 40 45
Thr Asp Leu Tyr Arg Arg Asp Glu Thr Ile Gln Val Lys Gly Asn Gly
50 55 60
Tyr Val Gln Ser Pro Arg Phe Pro Asn Ser Tyr Pro Arg Asn Leu Leu
65 70 75 80
Leu Thr Trp Arg Leu His Ser Gln Glu Asn Thr Arg Ile Gln Leu Val
85 90 95
Phe Asp Asn Gln Phe Gly Leu
100 103

<210> 772
<211> 218
<212>Amino acid
<213> Homo sapiens

<400> 772
Pro Phe Lys Lys Met Thr Asp Leu Leu Arg Ser Val Val Thr Val Ile
1 5 10 15
Asp Val Phe Tyr Lys Tyr Thr Lys Gln Asp Gly Glu Cys Gly Thr Leu
20 25 30
Ser Lys Gly Glu Leu Lys Glu Leu Leu Glu Lys Glu Leu His Pro Val
35 40 45
Leu Lys Asn Pro Asp Asp Pro Asp Thr Val Asp Val Ile Met His Met
50 55 60
Leu Asp Arg Asp His Asp Arg Arg Leu Asp Phe Thr Glu Phe Leu Leu
65 70 75 80
Met Ile Phe Lys Leu Thr Met Ala Cys Asn Lys Val Leu Ser Lys Glu
85 90 95
Tyr Cys Lys Ala Ser Gly Ser Lys Lys His Arg Arg Gly His Arg His
100 105 110
Gln Glu Glu Glu Ser Glu Thr Glu Glu Asp Glu Glu Asp Thr Pro Gly
115 120 125
His Lys Ser Gly Tyr Arg His Ser Ser Trp Ser Glu Gly Glu Glu His
130 135 140
Gly Tyr Ser Ser Gly His Ser Arg Gly Thr Val Lys Cys Arg His Gly
145 150 155 160
Ser Asn Ser Arg Arg Leu Gly Arg Gln Gly Asn Leu Ser Ser Ser Gly
165 170 175
Asn Gln Glu Gly Ser Gln Lys Arg Tyr His Arg Ser Ser Cys Gly His
180 185 190

Ser Trp Ser Gly Gly Lys Asp Arg His Gly Ser Ser Ser Val Glu Leu
 195 200 205
 Arg Glu Arg Ile Asn Lys Ser His Ile Lys
 210 215 218

<210> 773
 <211> 130
 <212>Amino acid
 <213> Homo sapiens

<400> 773
 Val Pro Lys Ile Ser Gly Pro Asp His Ile Asp Phe Ile Pro Trp Asp
 1 5 10 15
 Gln Leu Phe Met Ala Ser Ser Ser Val Thr Glu Phe Leu Val Leu
 20 25 30
 Gly Phe Ser Ser Leu Gly Glu Leu Gln Leu Val Leu Phe Ala Val Phe
 35 40 45
 Leu Cys Leu Tyr Leu Ile Ile Leu Ser Gly Asn Ile Ile Ile Ser
 50 55 60
 Val Ile His Leu Asp His Ser Leu His Thr Pro Met Tyr Phe Leu
 65 70 75 80
 Gly Ile Leu Ser Ile Ser Glu Ile Phe Tyr Thr Thr Val Ile Leu Pro
 85 90 95
 Lys Met Leu Ile Asn Leu Phe Ser Val Phe Arg Thr Leu Ser Phe Val
 100 105 110
 Ser Cys Ala Thr Gln Met Phe Tyr Glu Ile Val Gly Pro Gly Thr Gln
 115 120 125
 Glu Arg
 130

<210> 774
 <211> 204
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(204)
 <223> X = any amino acid or stop code

<400> 774
 Asp His Ser Thr Glu Thr Pro Gly Ile Pro Ala Ala Glu Pro Val Ser
 1 5 10 15
 His Gly Thr Gly Lys Leu Glu Arg Ala Pro Thr Leu Pro Ala Gly Ala
 20 25 30
 Glu Leu Pro Ala Pro Ala Ala Val Pro Cys Pro Thr Leu Xaa Val Cys
 35 40 45
 Leu Tyr Pro Gln Leu Leu Gly Leu Ser Val Ala Thr Met Val Thr Leu
 50 55 60
 Thr Tyr Phe Gly Ala His Phe Ala Val Ile Arg Arg Ala Ser Leu Glu
 65 70 75 80
 Lys Asn Pro Tyr Gln Ala Val His Gln Trp Gly Thr Gln Gln Arg Leu
 85 90 95
 Ile Gln His Pro Glu Ser Gly Ser Glu Gly Gln Ser Leu Leu Gly Pro

100	105	110
Leu Arg Ala Phe Ser Ala Gly Leu Ser Leu Val Gly Leu	Leu Thr Leu	
115	120	125
Gly Ala Val Leu Ser Ala Ala Thr Val Arg Glu Ala Gln Gly Leu		
130	135	140
Met Ala Gly Gly Phe Leu Cys Phe Ser Leu Ala Phe Cys Ala Gln Val		
145	150	155
Glн Val Val Phe Trp Arg Leu His Ser Pro Thr Gln Val Glu Asp Ala		
165	170	175
Met Leu Asp Thr Tyr Asp Leu Val Tyr Glu Gln Ala Met Lys Gly Thr		
180	185	190
Ser His Val Arg Arg Gln Glu Leu Ala Ala Ile Gln		
195	200	204

<210> 775
 <211> 121
 <212>Amino acid
 <213> Homo sapiens

<400> 775		
Gln Pro Gly Tyr Ser Glu Tyr Asp Lys Asn Arg Gly Gln Gly Met Leu		
1	5	10
Leu Asn Met Met Cys Gly Arg Gln Leu Ser Ala Ile Ser Leu Cys Leu		
20	25	30
Ala Val Thr Phe Ala Pro Leu Phe Asn Ala Gln Ala Asp Glu Pro Glu		
35	40	45
Val Ile Pro Gly Asp Ser Pro Val Ala Val Ser Glu Gln Gly Glu Ala		
50	55	60
Leu Pro Gln Ala Gln Ala Thr Ala Ile Met Ala Gly Ile Gln Pro Leu		
65	70	75
Pro Glu Gly Ala Ala Glu Lys Ala Arg Thr Gln Ile Glu Ser Gln Leu		
85	90	95
Pro Ala Gly Tyr Lys Pro Val Tyr Leu Asn Gln Leu Gln Leu Leu Tyr		
100	105	110
Ala Ala Arg Gly Ile Ser Cys Ser Val		
115	120	121

<210> 776
 <211> 142
 <212>Amino acid
 <213> Homo sapiens

<400> 776		
Arg Thr Arg Ala Ala Asp Val Tyr Val Phe Ser Leu Thr Gly Lys Ser		
1	5	10
Arg Asn Val Ser Ser Ser Thr Val Arg Arg Ser Ala Val Gly Gly Met		
20	25	30
Ser Ala Leu Ala Leu Phe Asp Leu Leu Lys Pro Asn Tyr Ala Leu Ala		
35	40	45
Thr Gln Val Glu Phe Thr Asp Pro Glu Ile Val Ala Glu Tyr Ile Thr		
50	55	60
Tyr Pro Ser Pro Asn Gly His Gly Glu Val Arg Gly Tyr Leu Val Lys		
65	70	75
Pro Ala Lys Met Ser Gly Lys Thr Pro Ala Val Val Val His Glu		

85	90	95
Asn Arg Gly Leu Asn Pro Tyr Ile Glu Asp Val Ala Arg Arg Val Ala		
100	105	110
Lys Ala Gly Tyr Ile Ala Leu Ala Pro Asp Gly Leu Ser Ser Val Gly		
115	120	125
Gly Tyr Pro Gly Asn Asp Ile Lys Val Val Ser Ala Ala Ala		
130	135	140
		142

<210> 777
 <211> 150
 <212>Amino acid
 <213> Homo sapiens

<400> 777		
Val Lys Gln Arg His Gly Asn Ser Leu Leu Thr Thr Glu Thr Lys Cys		
1	5	10
Ile Ser Cys Arg Leu Gly Val Pro Leu Ser Pro Gln Arg Arg Phe Gln		
20	25	30
Ala Ile Arg Ile Glu Glu Val Lys Leu Arg Trp Phe Ala Phe Leu Ile		
35	40	45
Val Leu Leu Ala Gly Cys Ser Ser Lys His Asp Tyr Thr Asn Pro Pro		
50	55	60
Trp Asn Ala Lys Val Pro Val Gln Arg Ala Met Gln Trp Met Pro Ile		
65	70	75
Ser Gln Lys Ala Gly Ala Ala Trp Gly Val Asp Pro Gln Leu Ile Thr		
85	90	95
Ala Ile Ile Ala Ile Glu Ser Gly Asn Pro Asn Ala Val Ser Lys		
100	105	110
Ser Asn Ala Ile Gly Leu Met Gln Leu Lys Ala Ser Thr Ser Gly Arg		
115	120	125
Asp Val Tyr Arg Arg Met Gly Trp Ser Gly Glu Pro Thr Thr Ser Glu		
130	135	140
Leu Lys Asn Ser Ser Arg		
145	150	

<210> 778
 <211> 296
 <212>Amino acid
 <213> Homo sapiens

<400> 778		
His Ala Ala Gly Ile Arg His Glu Ala Lys Pro Lys Arg Ser Phe Tyr		
1	5	10
Ala Ala Arg Asp Leu Tyr Lys Tyr Arg His Gln Tyr Pro Asn Phe Lys		
20	25	30
Asp Ile Arg Tyr Gln Asn Asp Leu Ser Asn Leu Arg Phe Tyr Lys Asn		
35	40	45
Lys Ile Pro Phe Lys Pro Asp Gly Val Tyr Ile Glu Glu Val Leu Ser		
50	55	60
Lys Trp Lys Gly Asp Tyr Glu Lys Leu Glu His Asn His Thr Tyr Ile		
65	70	75
Gln Trp Leu Phe Pro Leu Arg Glu Gln Gly Leu Asn Phe Tyr Ala Lys		
85	90	95
Glu Leu Thr Thr Tyr Glu Ile Glu Glu Phe Lys Lys Thr Lys Glu Ala		

100	105	110
Ile Arg Arg Phe Leu Leu Ala Tyr Lys Met Met Leu Glu Phe Phe Gly		
115	120	125
Ile Lys Leu Thr Asp Lys Thr Gly Asn Val Ala Arg Ala Val Asn Trp		
130	135	140
Gln Glu Arg Phe Gln His Leu Asn Glu Ser Gln His Asn Tyr Leu Arg		
145	150	155
Ile Thr Arg Ile Leu Lys Ser Leu Gly Glu Leu Gly Tyr Glu Ser Phe		
165	170	175
Lys Ser Pro Leu Val Lys Phe Ile Leu His Glu Ala Leu Val Glu Asn		
180	185	190
Thr Ile Pro Asn Ile Lys Gln Ser Ala Leu Glu Tyr Phe Val Tyr Thr		
195	200	205
Ile Arg Asp Arg Arg Glu Arg Arg Lys Leu Leu Arg Phe Ala Gln Lys		
210	215	220
His Tyr Thr Pro Ser Glu Asn Phe Ile Trp Gly Pro Pro Arg Lys Glu		
225	230	235
Gln Ser Glu Gly Ser Lys Ala Gln Lys Met Ser Ser Pro Leu Ala Ser		
245	250	255
Ser His Asn Ser Gln Thr Ser Met His Lys Lys Ala Lys Asp Ser Lys		
260	265	270
Asn Ser Ser Ala Val His Leu Asn Ser Lys Thr Ala Glu Asp Lys		
275	280	285
Lys Val Ala Pro Lys Glu Pro Val		
290	295	296

<210> 779
<211> 90
<212>Amino acid
<213> Homo sapiens

1	5	10	15
Glu Leu Gln Val Phe Gln Pro Ile Gly Gly Met Ser Asp Ser Gly Ser			
20	25	30	
Gln Leu Gly Ser Met Gly Ser Leu Thr Met Lys Ser Gln Leu Gln Ile			
35	40	45	
Thr Val Ile Ser Ala Lys Leu Lys Glu Asn Lys Lys Asn Trp Phe Gly			
50	55	60	
Pro Ser Pro Tyr Val Glu Val Thr Val Asp Gly Gln Ser Lys Lys Thr			
65	70	75	80
Glu Lys Cys Asn Asn Thr Asn Ser Pro Lys Trp Lys Gln Pro Leu Thr			
85	90		
Val Ile Val Thr Pro Val Ser Lys Leu His			

<210> 780
<211> 88
<212>Amino acid
<213> Homo sapiens

1	5	10	15
Ile Glu Thr Leu Ser Phe Val Ile Arg Asn Trp Asn Thr His Ala Met			
Ser Lys Pro Ile Val Met Glu Arg Gly Val Lys Tyr Arg Asp Ala Asp			

	20	25	30
Lys	Met Ala Leu Ile Pro Val Lys Asn Val Ala Thr Glu Arg Glu Ala		
	35	40	45
Leu	Leu Arg Lys Pro Glu Trp Met Lys Ile Lys Leu Pro Ala Asp Ser		
	50	55	60
Thr	Arg Ile Gln Gly Ile Lys Ala Ala Met Arg Lys Asn Gly Leu His		
	65	70	75
Ser	Val Cys Glu Glu Ala Ser Cys		
	85	88	80

<210> 781
<211> 35
<212>Amino acid
<213> Homo sapiens

	<400> 781		
Pro	Arg Met Val Leu Gly Lys Pro Gln Thr Asp Pro Thr Leu Glu Trp		
	1	5	10
Phe	Leu Ser His Cys His Ile His Lys Tyr Pro Ser Lys Ser Thr Leu		
	20	25	30
Ile	Pro Gln		
	35		

<210> 782
<211> 145
<212>Amino acid
<213> Homo sapiens

	<400> 782		
Gly	Leu Arg Ile Ser Val Gln Glu Arg Ile Lys Ala Cys Phe Thr Glu		
	1	5	10
Ser	Ile Gln Thr Gln Ile Ala Ala Ala Glu Ala Leu Pro Asp Ala Ile		
	20	25	30
Ser	Arg Ala Ala Met Thr Leu Val Gln Ser Leu Leu Asn Gly Asn Lys		
	35	40	45
Ile	Leu Cys Cys Gly Asn Gly Thr Ser Ala Ala Asn Ala Gln His Phe		
	50	55	60
Ala	Ala Ser Met Ile Asn Arg Phe Glu Thr Glu Arg Pro Ser Leu Pro		
	65	70	75
Ala	Ile Ala Leu Asn Thr Asp Asn Val Val Leu Thr Ala Ile Ala Asn		
	85	90	95
Asp	Arg Leu His Asp Glu Val Tyr Ala Lys Gln Val Arg Ala Leu Gly		
	100	105	110
His	Ala Gly Asp Val Leu Leu Ala Ile Ser Thr Arg Gly Asn Ser Arg		
	115	120	125
Asp	Ile Val Lys Ala Val Glu Ala Ala Val Thr Arg Asp Thr Thr Ile		
	130	135	140
Val			
	145		

<210> 783
<211> 102
<212>Amino acid

<213> Homo sapiens

<400> 783

Lys	Gln	Thr	Gln	His	Ala	Pro	Gly	Met	Met	Lys	Lys	Tyr	Leu	Ala	Leu
1					5				10					15	
Ala	Leu	Ile	Ala	Pro	Leu	Leu	Ile	Ser	Cys	Ser	Thr	Thr	Lys	Lys	Gly
					20				25					30	
Asp	Thr	Tyr	Asn	Glu	Ala	Trp	Val	Lys	Asp	Thr	Asn	Gly	Phe	Asp	Ile
						35		40					45		
Leu	Met	Gly	Gln	Phe	Ala	His	Asn	Ile	Glu	Asn	Ile	Trp	Gly	Phe	Lys
	50						55				60				
Glu	Val	Val	Ile	Ala	Gly	Pro	Lys	Asp	Tyr	Val	Lys	Tyr	Thr	Asp	Gln
	65					70				75				80	
Tyr	Gln	Thr	Arg	Ser	His	Ile	Asn	Phe	Asp	Asp	Gly	Thr	Ile	Thr	Ile
						85				90				95	
Glu	Pro	Ile	Pro	Gly	Thr										
	100			102											

<210> 784

<211> 78

<212>Amino acid

<213> Homo sapiens

<400> 784

Thr	Asp	Arg	Thr	Ala	Leu	Asn	Pro	Gly	Gln	Glu	Ser	Ala	Met	Asn	Arg
1					5				10				15		
Leu	Phe	Ser	Gly	Arg	Ser	Asp	Met	Pro	Phe	Ala	Leu	Leu	Leu	Leu	Ala
						20		25					30		
Pro	Ser	Leu	Leu	Leu	Gly	Gly	Leu	Val	Ala	Trp	Pro	Met	Val	Ser	
						35		40				45			
Asn	Ile	Glu	Ile	Ser	Phe	Leu	Arg	Leu	Pro	Leu	Asn	Pro	Asn	Ile	Glu
	50					55				60					
Ser	Thr	Phe	Val	Gly	Val	Ser	Asn	Tyr	Val	Arg	Ile	Leu	Ser		
	65					70				75			78		

<210> 785

<211> 148

<212>Amino acid

<213> Homo sapiens

<400> 785

Lys	Glu	Leu	Val	Asp	Glu	Lys	Ser	Glu	Arg	Gly	Arg	Ala	Met	Asp	Pro
1					5				10				15		
Val	Ser	Gln	Leu	Ala	Ser	Ala	Gly	Thr	Phe	Arg	Val	Leu	Lys	Glu	Pro
						20		25				30			
Leu	Ala	Phe	Leu	Arg	Ala	Leu	Glu	Leu	Leu	Phe	Ala	Ile	Phe	Ala	Phe
						35		40				45			
Ala	Thr	Cys	Gly	Gly	Tyr	Ser	Gly	Gly	Leu	Arg	Leu	Ser	Val	Asp	Cys
	50					55				60					
Val	Asn	Lys	Thr	Glu	Ser	Asn	Leu	Ser	Ile	Asp	Ile	Ala	Phe	Ala	Tyr

65	70	75	80
Pro Phe Arg Leu His Gln Val Thr Phe Glu Val Pro Thr Cys Glu Gly			
85	90	95	
Lys Glu Arg Gln Lys Leu Ala Leu Ile Gly Asp Ser Ser Ser Ala			
100	105	110	
Glu Phe Phe Val Thr Val Ala Val Phe Ala Phe Leu Tyr Ser Leu Ala			
115	120	125	
Ala Thr Gly Arg Tyr Ile Phe Phe His Asn Lys Asn Arg Glu Asn Asn			
130	135	140	
Arg Gly Pro Leu			
145	148		

<210> 786
 <211> 246
 <212>Amino acid
 <213> Homo sapiens

<400> 786																
Leu	Gly	Thr	Val	Ser	Tyr	Gly	Ala	Asp	Thr	Met	Asp	Glu	Ile	Gln	Ser	
1					5					10				15		
His	Val	Arg	Asp	Ser	Tyr	Ser	Gln	Met	Gln	Ser	Gln	Ala	Gly	Gly	Asn	
					20					25				30		
Asn	Thr	Gly	Ser	Thr	Pro	Leu	Arg	Lys	Ala	Gln	Ser	Ser	Ala	Pro	Lys	
					35					40				45		
Val	Arg	Lys	Ser	Val	Ser	Ser	Arg	Ile	His	Glu	Ala	Val	Lys	Ala	Ile	
					50					55				60		
Val	Leu	Cys	His	Asn	Val	Thr	Pro	Val	Tyr	Glu	Ser	Arg	Ala	Gly	Val	
					65					70				75		80
Thr	Glu	Glu	Thr	Glu	Phe	Ala	Glu	Ala	Asp	Gln	Asp	Phe	Ser	Asp	Glu	
					85					90				95		
Asn	Arg	Thr	Tyr	Gln	Ala	Ser	Ser	Pro	Asp	Glu	Val	Ala	Leu	Val	Gln	
					100					105				110		
Trp	Thr	Glu	Ser	Val	Gly	Leu	Thr	Leu	Val	Ser	Arg	Asp	Leu	Thr	Ser	
					115					120				125		
Met	Gln	Leu	Lys	Thr	Pro	Ser	Gly	Gln	Val	Leu	Ser	Phe	Cys	Ile	Leu	
					130					135				140		
Gln	Leu	Phe	Pro	Phe	Thr	Ser	Glu	Ser	Lys	Arg	Met	Gly	Val	Ile	Val	
					145					150				155		160
Arg	Asp	Glu	Ser	Thr	Ala	Glu	Ile	Thr	Phe	Tyr	Met	Lys	Gly	Ala	Asp	
					165					170				175		
Val	Ala	Met	Ser	Pro	Ile	Val	Gln	Tyr	Asn	Asp	Trp	Leu	Glu	Glu		
					180					185				190		
Cys	Gly	Asn	Met	Ala	Arg	Glu	Gly	Leu	Arg	Thr	Leu	Val	Val	Ala	Lys	
					195					200				205		
Lys	Ala	Leu	Thr	Glu	Glu	Gln	Tyr	Gln	Asp	Phe	Glu	Val	Ser	Arg	Leu	
					210					215				220		
Pro	Gly	Ile	Pro	Ser	Ser	Tyr	Asp	Gly	Ala	Phe	Leu	Thr	Leu	Lys	Leu	
					225					230				235		240
Val	Leu	Pro	Val	Phe	Val											
					245	246										

<210> 787
 <211> 176
 <212>Amino acid
 <213> Homo sapiens

<400> 787

Glu	Gly	Pro	His	Arg	Arg	Leu	Phe	Gln	Met	Val	Lys	Ala	Leu	Gln	Glu
1				5					10					15	
Ala	Pro	Glu	Asp	Pro	Asn	Gln	Ile	Leu	Ile	Gly	Tyr	Ser	Arg	Gly	Leu
				20					25					30	
Val	Val	Ile	Trp	Asp	Leu	Gln	Gly	Ser	Arg	Val	Leu	Tyr	His	Phe	Leu
				35				40				45			
Ser	Ser	Gln	Gln	Leu	Glu	Asn	Ile	Trp	Trp	Gln	Arg	Asp	Gly	Arg	Leu
				50				55			60				
Leu	Val	Ser	Cys	His	Ser	Asp	Gly	Ser	Tyr	Cys	Gln	Trp	Pro	Val	Ser
				65				70			75			80	
Ser	Glu	Ala	Gln	Gln	Pro	Glu	Pro	Leu	Arg	Ser	Leu	Val	Pro	Tyr	Gly
				85				90				95			
Pro	Phe	Pro	Cys	Lys	Ala	Ile	Thr	Arg	Ile	Leu	Trp	Leu	Thr	Thr	Arg
				100				105				110			
Gln	Gly	Leu	Pro	Phe	Thr	Ile	Phe	Gln	Gly	Gly	Met	Pro	Arg	Ala	Ser
				115				120			125				
Tyr	Gly	Asp	Arg	His	Cys	Ile	Ser	Val	Ile	His	Asp	Gly	Gln	Gln	Thr
				130				135			140				
Ala	Phe	Asp	Phe	Thr	Ser	Arg	Val	Ile	Gly	Phe	Thr	Val	Leu	Thr	Glu
				145				150			155			160	
Ala	Asp	Pro	Ala	Ala	Ser	Arg	Arg	Ala	Ser	Gly	Val	Gly	Ala	Gln	Gly
				165				170				175		176	

<210> 788
<211> 180
<212>Amino acid
<213> Homo sapiens

<400> 788

Lys	Gln	Gly	Leu	Glu	Val	Arg	Asp	Leu	His	Phe	Lys	Glu	Ile	Thr	Ser
1					5				10				15		
Gly	Arg	Ala	Leu	Leu	Arg	Val	Ala	Cys	Lys	Arg	Pro	Ser	Met	Val	Pro
					20				25			30			
Gly	Gly	Gln	Leu	Gln	Arg	Ala	Gly	Ala	Gly	Ala	Gln	Ala	Arg	Ile	Thr
					35				40			45			
Gly	Leu	Ser	Pro	Ala	Leu	Trp	Gly	Ala	Arg	Val	His	Gly	Trp	Ile	Pro
					50				55			60			
Glu	Leu	Pro	Ala	Gly	Leu	Pro	Pro	Gly	Ala	Cys	Leu	Trp	Pro	Leu	Ile
					65				70			75			80
Pro	Ala	Cys	Pro	Ser	Arg	His	Trp	Gly	Trp	Val	Ser	Ala	Pro	Val	Lys
					85				90			95			
Gly	Trp	Ala	Gln	Ala	Ile	Leu	Gly	Leu	Ala	Leu	Cys	Leu	Arg	Gly	Glu
					100				105			110			
His	Arg	Gly	Leu	Gly	Ala	Gly	Val	Ser	Lys	Val	Arg	Ser	Leu	Lys	Met
					115				120			125			
Asp	Arg	Lys	Val	Trp	Thr	Glu	Thr	Leu	Ile	Glu	Val	Gly	Met	Pro	Leu
					130				135			140			
Leu	Ala	Thr	Asp	Thr	Trp	Gly	Leu	Pro	His	Ser	Thr	Ala	Val	Trp	Val
					145				150			155			160
Ser	Gln	Pro	Pro	Pro	Tyr	Leu	Ser	Asp	His	Ser	Thr	Leu	Glu	Leu	Glu
					165				170			175			
Arg	Asp	Pro	Leu												
				180											

<210> 789
<211> 145
<212>Amino acid
<213> Homo sapiens

<400> 789
Leu Ser Cys Asn Ser Glu Gln Ala Leu Leu Ser Leu Val Pro Val Gln
1 5 10 15
Arg Glu Leu Leu Arg Arg Arg Tyr Gln Ser Ser Pro Ala Lys Pro Asp
20 25 30
Ser Ser Phe Tyr Lys Gly Leu Gly Thr Cys Pro Ser Gln Leu Arg Leu
35 40 45
Ser Glu Pro Pro Pro Thr Pro Arg His Leu Ser Val Ala Ser Val Ser
50 55 60
His His Met Phe Pro Ser His Arg Ser Leu Cys Pro His Leu Pro Asp
65 70 75 80
Phe Phe Ala Ala Pro Phe Pro Ser Asp Asn Leu Pro Tyr Thr Leu Gln
85 90 95
Ser Pro Phe Pro Ser Pro Pro Ala Thr Pro Ser Asp His Ala Leu
100 105 110
Ile Leu His His Asp Leu Asn Gly Gly Pro Asp Asp Pro Leu Gln Gln
115 120 125
Thr Gly Gln Leu Phe Gly Gly Leu Val Arg Asp Ile Arg Arg Arg Tyr
130 135 140
Pro
145

<210> 790
<211> 65
<212>Amino acid
<213> Homo sapiens

<400> 790
Ser Pro Ser Ser Lys Leu Val Gly Met Trp Trp Ala Gly Arg Ala Gly
1 5 10 15
Ser Ser Arg Thr Thr Ser Val Ser Leu Leu Cys Leu Pro Ser Ala Pro
20 25 30
Phe Gly Ala Ser Asn Leu Leu Val Asn Pro Leu Glu Pro Gln Asn Ala
35 40 45
Asp Lys Ile Lys Ile Lys Ile Ala Asp Leu Gly Asn Ala Cys Trp Val
50 55 60
Val
65

<210> 791
<211> 144
<212>Amino acid
<213> Homo sapiens

<400> 791

Arg	Val	Asp	Pro	Arg	Val	Arg	Ala	Pro	Arg	Cys	Gly	Asp	Lys	Ile	Lys
1				5					10				15		
Asn	His	Met	Tyr	Lys	Cys	Asp	Cys	Gly	Ser	Leu	Lys	Asp	Cys	Ala	Ser
				20					25				30		
Asp	Arg	Cys	Cys	Glu	Thr	Ser	Cys	Thr	Leu	Ser	Leu	Gly	Ser	Val	Cys
				35				40				45			
Asn	Thr	Gly	Leu	Cys	Cys	His	Lys	Cys	Lys	Tyr	Ala	Ala	Pro	Gly	Val
	50					55				60					
Val	Cys	Arg	Asp	Leu	Gly	Gly	Ile	Cys	Asp	Leu	Pro	Glu	Tyr	Cys	Asp
	65				70				75			80			
Gly	Lys	Lys	Glu	Glu	Cys	Pro	Asn	Asp	Ile	Tyr	Ile	Gln	Asp	Gly	Thr
					85				90			95			
Pro	Cys	Ser	Ala	Val	Ser	Val	Cys	Ile	Arg	Gly	Asn	Cys	Ser	Asp	Arg
	100					105				110					
Asp	Met	Gln	Cys	Gln	Ala	Leu	Phe	Gly	Tyr	Gln	Val	Lys	Asp	Gly	Ser
	115					120				125					
Pro	Ala	Cys	Tyr	Arg	Lys	Leu	Asn	Arg	Ile	Gly	Asn	Arg	Phe	Gly	Thr
	130					135				140			144		

<210> 792

<211> 242

<212>Amino acid

<213> Homo sapiens

<400> 792

Pro	Gly	Arg	Pro	Thr	Arg	Pro	Asp	Ala	Ser	Leu	Ala	Gln	Asp	Pro	Arg
1				5					10			15			
Thr	Thr	Met	Phe	Arg	Ile	Pro	Glu	Phe	Lys	Trp	Ser	Pro	Met	His	Gln
				20				25				30			
Arg	Leu	Leu	Thr	Asp	Leu	Leu	Phe	Ala	Leu	Glu	Thr	Asp	Val	His	Val
	35					40				45					
Trp	Arg	Ser	His	Ser	Thr	Lys	Ser	Val	Met	Asp	Phe	Val	Asn	Ser	Asn
	50					55				60					
Glu	Asn	Ile	Ile	Phe	Val	His	Asn	Thr	Ile	His	Leu	Ile	Ser	Gln	Met
	65				70				75			80			
Val	Asp	Asn	Ile	Ile	Ile	Ala	Cys	Gly	Ile	Leu	Pro	Leu	Leu	Ser	
						85			90			95			
Ala	Ala	Thr	Ser	Pro	Thr	Gly	Ser	Lys	Thr	Glu	Leu	Glu	Asn	Ile	Glu
	100					105				110					
Val	Thr	Gln	Gly	Met	Ser	Ala	Glu	Thr	Ala	Val	Thr	Phe	Leu	Ser	Arg
	115					120			125						
Leu	Met	Ala	Met	Val	Asp	Val	Leu	Val	Phe	Ala	Ser	Ser	Leu	Asn	Phe
	130					135				140					
Ser	Glu	Ile	Glu	Ala	Glu	Lys	Asn	Met	Ser	Ser	Gly	Gly	Leu	Met	Arg
	145					150			155			160			
Gln	Cys	Leu	Lys	Leu	Val	Cys	Cys	Val	Ala	Val	Arg	Asn	Cys	Leu	Glu
						165			170			175			
Cys	Arg	Gln	Arg	Gln	Arg	Asp	Arg	Gly	Asn	Lys	Ser	Ser	His	Gly	Ser
	180					185				190					
Ser	Lys	Pro	Gln	Glu	Val	Pro	Gln	Ser	Val	Thr	Ala	Thr	Ala	Ala	Ser
	195					200			205						
Lys	Thr	Pro	Leu	Glu	Asn	Val	Pro	Gly	Asn	Leu	Ser	Pro	Ile	Lys	Asp
	210					215				220					
Pro	Asp	Arg	Leu	Leu	Gln	Asp	Val	Asp	Ile	Asn	Arg	Leu	Arg	Ala	Val
	225					230				235			240		
Val	Phe														

<210> 793
 <211> 412
 <212>Amino acid
 <213> Homo sapiens

<400> 793
 Asn Ser Ser Gly Val Lys Leu Leu Gln Ala Leu Gly Leu Ser Pro Gly
 1 5 10 15
 Asn Gly Lys Asp His Ser Ile Leu His Ser Arg Asn Asp Leu Glu Glu
 20 25 30
 Ala Phe Ile His Phe Met Gly Lys Gly Ala Ala Ala Glu Arg Phe Phe
 35 40 45
 Ser Asp Lys Glu Thr Phe His Asp Ile Ala Gln Val Ala Ser Glu Phe
 50 55 60
 Pro Gly Ala Gln His Tyr Val Gly Gly Asn Ala Ala Leu Ile Gly Gln
 65 70 75 80
 Lys Phe Ala Ala Asn Ser Asp Leu Lys Val Leu Leu Cys Gly Pro Val
 85 90 95
 Gly Pro Lys Leu His Glu Leu Leu Asp Asp Asn Val Phe Val Pro Pro
 100 105 110
 Glu Ser Leu Gln Glu Val Asp Glu Phe His Leu Ile Leu Glu Tyr Gln
 115 120 125
 Ala Gly Glu Glu Trp Gly Gln Leu Lys Ala Pro His Ala Asn Arg Phe
 130 135 140
 Ile Phe Ser His Asp Leu Ser Asn Gly Ala Met Asn Met Leu Glu Val
 145 150 155 160
 Phe Val Ser Ser Leu Glu Glu Phe Gln Pro Asp Leu Gly Gly Leu Ser
 165 170 175
 Gly Leu His Met Met Glu Gly Gln Ser Lys Glu Leu Gln Arg Lys Arg
 180 185 190
 Leu Leu Glu Val Val Thr Ser Ile Ser Asp Ile Pro Thr Gly Ile Pro
 195 200 205
 Val His Leu Glu Leu Gly Ser Met Thr Asn Arg Glu Leu Met Ser Ser
 210 215 220
 Ile Val Leu Gln Gln Val Phe Pro Ala Val Thr Ser Leu Gly Leu Asn
 225 230 235 240
 Glu Gln Glu Leu Leu Phe Leu Thr Gln Ser Ala Ser Gly Pro His Ser
 245 250 255
 Ser Leu Ser Ser Trp Asn Gly Val Pro Asp Val Gly Met Val Ser Asp
 260 265 270
 Ile Leu Phe Trp Ile Leu Lys Glu His Gly Arg Ser Lys Ser Arg Ala
 275 280 285
 Ser Asp Leu Thr Arg Ile His Phe His Thr Leu Val Tyr His Ile Leu
 290 295 300
 Ala Thr Val Asp Gly His Trp Ala Asn Gln Leu Ala Ala Val Ala Ala
 305 310 315 320
 Gly Ala Arg Val Ala Gly Thr Gln Ala Cys Ala Thr Glu Thr Ile Asp
 325 330 335
 Thr Ser Arg Val Ser Leu Arg Ala Pro Gln Glu Phe Met Thr Ser His
 340 345 350
 Ser Glu Ala Gly Ser Arg Ile Val Leu Asn Pro Asn Lys Pro Val Val
 355 360 365
 Glu Trp His Arg Glu Gly Ile Ser Phe His Phe Thr Pro Val Leu Val
 370 375 380
 Cys Lys Asp Pro Ile Arg Thr Val Gly Leu Gly Asp Ala Ile Ser Ala
 385 390 395 400
 Glu Gly Leu Phe Tyr Ser Glu Val His Pro His Tyr

405

410 412

<210> 794
 <211> 83
 <212>Amino acid
 <213> Homo sapiens

<400> 794
 Asp Asp Ser Ser Gly Trp Gly Leu Glu Gln Leu Val Val Arg Trp Ser
 1 5 10 15
 Leu Ala Leu Trp Pro Arg Leu Glu Cys Ser Gly Met Ile Ser Ala His
 20 25 30
 Cys Asn Leu Cys Leu Leu Gly Ser Ser Asp Ser Pro Ala Ser Ala Pro
 35 40 45
 Arg Val Ala Gly Ile Thr Asp Val Cys His His Ala Trp Leu Val Phe
 50 55 60
 Val Phe Leu Val Val Met Gly Phe Pro His Val Gly His Val Gly Leu
 65 70 75 80
 Glu Leu Leu
 83

<210> 795
 <211> 391
 <212>Amino acid
 <213> Homo sapiens

<400> 795
 Leu Gly Glu Val Leu Lys Cys Gln Gln Gly Val Ser Ser Leu Ala Phe
 1 5 10 15
 Ala Leu Ala Phe Leu Gln Arg Met Asp Met Lys Pro Leu Val Val Leu
 20 25 30
 Gly Leu Pro Ala Pro Thr Ala Pro Ser Gly Cys Leu Ser Phe Trp Glu
 35 40 45
 Ala Lys Ala Gln Leu Ala Lys Ser Cys Lys Val Leu Val Asp Ala Leu
 50 55 60
 Arg His Asn Ala Ala Ala Val Pro Phe Phe Gly Gly Ser Val
 65 70 75 80
 Leu Arg Ala Ala Glu Pro Ala Pro His Ala Ser Tyr Gly Gly Ile Val
 85 90 95
 Ser Val Glu Thr Asp Leu Leu Gln Trp Cys Leu Glu Ser Gly Ser Ile
 100 105 110
 Pro Ile Leu Cys Pro Ile Gly Glu Thr Ala Ala Arg Arg Ser Val Leu
 115 120 125
 Leu Asp Ser Leu Glu Val Thr Ala Ser Leu Ala Lys Ala Leu Arg Pro
 130 135 140
 Thr Lys Ile Ile Phe Leu Asn Asn Thr Gly Gly Leu Arg Asp Ser Ser
 145 150 155 160
 His Lys Val Leu Ser Asn Val Asn Leu Pro Ala Asp Leu Asp Leu Val
 165 170 175
 Cys Asn Ala Glu Trp Val Ser Thr Lys Glu Arg Gln Gln Met Arg Leu
 180 185 190
 Ile Val Asp Val Leu Ser Arg Leu Pro His His Ser Ser Ala Val Ile
 195 200 205
 Thr Ala Ala Ser Thr Leu Leu Thr Glu Leu Phe Ser Asn Lys Gly Ser

210	215	220
Gly Thr Leu Phe Lys Asn Ala Glu Arg Met Leu Arg Val Arg Ser Leu		
225	230	235
Asp Lys Leu Asp Gln Gly Arg Leu Val Asp Leu Val Asn Ala Ser Phe		240
245	250	255
Gly Lys Lys Leu Arg Asp Asp Tyr Leu Ala Ser Leu Arg Pro Arg Leu		
260	265	270
His Ser Ile Tyr Val Ser Glu Gly Tyr Asn Ala Ala Ile Leu Thr		
275	280	285
Met Glu Pro Val Leu Gly Gly Thr Pro Tyr Leu Asp Lys Phe Val Val		
290	295	300
Ser Ser Ser Arg Gln Gly Gln Gly Ser Gly Gln Met Leu Trp Glu Cys		
305	310	315
Leu Arg Arg Asp Leu Gln Thr Leu Phe Trp Arg Ser Arg Val Thr Asn		320
325	330	335
Pro Ile Asn Pro Trp Tyr Phe Lys His Ser Asp Gly Ser Phe Ser Asn		
340	345	350
Lys Gln Trp Ile Phe Phe Trp Phe Gly Leu Ala Asp Ile Arg Asp Ser		
355	360	365
Tyr Glu Leu Val Asn His Ala Lys Gly Leu Pro Asp Ser Phe His Lys		
370	375	380
Pro Ala Ser Asp Pro Gly Ser		
385	390	391

<210> 796
 <211> 127
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(127)
 <223> X = any amino acid or stop code

<400> 796		
Tyr His Ala Pro Ala Leu Gln Pro Gly Gln Gln Ser Lys Thr Leu Ser		
1	5	10
Gln Glu Lys Lys Asn Phe Phe Arg Pro Gly Ala Val Ala His Thr Cys		
20	25	30
Asn Pro Ser Thr Leu Gly Gly Arg Gly Arg Ile Thr Arg Ser Gly		
35	40	45
Asp Arg Asp His Pro Gly Xaa His Gly Glu Thr Pro Ser Leu Leu Lys		
50	55	60
Ile Gln Lys Lys Leu Ala Gly Arg Asp Gly Gly Arg Leu Xaa Ser Gln		
65	70	75
Leu Leu Gly Arg Leu Arg Gln Glu Asn Gly Val Asn Pro Gly Gly		
85	90	95
Gly Cys Ser Glu Pro Arg Leu Arg His Cys Thr Pro Ala Trp Xaa Gln		
100	105	110
Ser Glu Thr Ile Ser Arg Lys Lys Arg Lys Lys Glu Arg Lys Tyr		
115	120	125 127

<210> 797
 <211> 159
 <212>Amino acid
 <213> Homo sapiens

<400> 797

Phe	Arg	Pro	Ile	Gly	Ile	Ile	Arg	Gln	Ala	Leu	Cys	Ser	Ala	Asp	Gly
1					5				10					15	
His	Gln	Arg	Arg	Ile	Leu	Thr	Leu	Arg	Leu	Gly	Leu	Leu	Val	Ile	Pro
						20			25					30	
Phe	Leu	Pro	Ala	Ser	Asn	Leu	Phe	Phe	Arg	Val	Gly	Phe	Val	Val	Pro
						35			40					45	
Ser	Val	Gly	.Cys	Cys	Val	Met	Leu	Leu	Phe	Gly	Phe	Gly	Ala	Leu	Arg
						50			55					60	
Lys	His	Thr	Glu	Lys	Lys	Leu	Ile	Ala	Ala	Val	Val	Leu	Gly	Ile	
						65			70					80	
Leu	Leu	Ser	Asn	Asp	Ala	Glu	Arg	Leu	Arg	Cys	Ala	Val	Arg	Gly	Gly
						85			90					95	
Glu	Trp	Arg	Ser	Glu	Glu	Ala	Val	Phe	Arg	Gly	Ala	Val	Ser	Val	Cys
						100			105					110	
Pro	Leu	Ser	Ala	Glu	Val	Arg	Cys	Asn	Ile	Gly	Arg	Asn	Leu	Ala	Ala
						115			120					125	
Lys	Gly	Asn	Gln	Thr	Gly	Ala	Ile	Arg	Tyr	His	Arg	Glu	Ala	Val	Ser
						130			135					140	
Leu	Asn	Pro	Lys	Thr	Lys	Ser	Ser	Thr	Arg	Glu	Phe	Arg	Pro	Cys	
						145			150					155	
															159

<210> 798

<211> 236

<212>Amino acid

<213> Homo sapiens

<400> 798

Lys	Ile	Ala	Asp	Phe	Gly	Phe	Ser	Asn	Leu	Phe	Thr	Pro	Gly	Gln	Leu
1					5				10					15	
Leu	Lys	Thr	Trp	Cys	Gly	Ser	Pro	Pro	Tyr	Ala	Ala	Pro	Glu	Leu	Phe
						20			25					30	
Glu	Gly	Lys	Glu	Tyr	Asp	Gly	Pro	Lys	Val	Asp	Ile	Trp	Ser	Leu	Gly
						35			40					45	
Val	Val	Leu	Tyr	Val	Leu	Val	Cys	Gly	Ala	Leu	Pro	Phe	Asp	Gly	Ser
						50			55					60	
Thr	Leu	Gln	Asn	Leu	Arg	Ala	Arg	Val	Leu	Ser	Gly	Lys	Phe	Arg	Ile
						65			70					80	
Pro	Phe	Phe	Met	Ser	Thr	Glu	Cys	Glu	His	Leu	Ile	Arg	His	Met	Leu
						85			90					95	
Val	Leu	Asp	Pro	Asn	Lys	Arg	Leu	Ser	Met	Glu	Gln	Ile	Cys	Lys	His
						100			105					110	
Lys	Trp	Met	Lys	Leu	Gly	Asp	Ala	Asp	Pro	Asn	Phe	Asp	Arg	Leu	Ile
						115			120					125	
Ala	Glu	Cys	Gln	Gln	Leu	Lys	Glu	Glu	Arg	Gln	Val	Asp	Pro	Leu	Asn
						130			135					140	
Glu	Asp	Val	Leu	Leu	Ala	Met	Glu	Asp	Met	Gly	Leu	Asp	Lys	Glu	Gln
						145			150					160	
Thr	Leu	Gln	Ser	Leu	Arg	Ser	Asp	Ala	Tyr	Asp	His	Tyr	Ser	Ala	Ile
						165			170					175	
Tyr	Ser	Leu	Leu	Cys	Asp	Arg	His	Lys	Arg	His	Lys	Thr	Leu	Arg	Leu
						180			185					190	
Gly	Ala	Leu	Pro	Ser	Met	Pro	Arg	Ala	Leu	Gly	Leu	Ser	Ser	Thr	Ser
						195			200					205	
Gln	Tyr	Pro	Ala	Glu	Gln	Ala	Gly	Thr	Ala	Met	Asn	Ile	Ser	Val	Pro
						210			215					220	

Gln Val Gln Leu Ile Asn Pro Glu Asn Gln Ile Val
 225 230 235 236

<210> 799
 <211> 114
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(114)
 <223> X = any amino acid or stop code

<400> 799

Ala Arg Glu Phe Leu Gly His Arg Ala Ser Ile Thr Trp Ser Xaa Ala
 1 5 10 15
 Arg Val His His Arg Phe Pro Lys Ala Glu Val Ala Xaa Pro Ser Leu
 20 25 30
 Leu Arg Thr Asp Leu Thr Glu Asp Arg Thr Lys Cys Cys His Gly Asp
 35 40 45
 Leu Leu Glu Cys Ala Asp Asp Arg Ala Asp Leu Val Glu Asp Ile Trp
 50 55 60
 Glu Asn Gln Asp Ser Ile Ser Thr Ile Leu Ile Glu Cys Cys Glu Lys
 65 70 75 80
 Pro Leu Leu Glu Lys Ser His Cys Ile Ala Glu Val Glu Asn Asp Glu
 85 90 95
 Met Pro Ala Asp Leu Pro Ser Leu Ala Ala Asp Phe Val Glu Ser Lys
 100 105 110
 Asp Val
 114

<210> 800
 <211> 328
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(328)
 <223> X = any amino acid or stop code

<400> 800

Val Pro Pro Lys Met Lys Arg Gly Thr Ser Leu His Ser Arg Arg Gly
 1 5 10 15
 Lys Pro Glu Ala Pro Lys Gly Ser Pro Gln Ile Asn Arg Lys Ser Gly
 20 25 30
 Gln Glu Met Thr Ala Val Met Gln Ser Gly Arg Pro Arg Ser Ser Ser
 35 40 45
 Thr Thr Asp Ala Pro Thr Gly Ser Ala Met Met Glu Ile Ala Cys Ala
 50 55 60
 Ala Ala Ala Ala Ala Ala Cys Leu Pro Gly Glu Glu Gly Thr Ala
 65 70 75 80
 Glu Arg Ile Glu Arg Leu Glu Val Ser Ser Leu Ala Gln Thr Ser Ser
 85 90 95

Ala Val Ala Ser Ser Thr Asp Gly Ser Ile His Thr Asp Ser Val Asp
 100 105 110
 Gly Thr Pro Asp Pro Gln Arg Thr Lys Ala Ala Ile Ala His Leu Gln
 115 120 125
 Gln Lys Ile Leu Lys Leu Thr Glu Gln Ile Lys Ile Ala Gln Thr Ala
 130 135 140
 Arg Arg Asn Arg Arg Pro Gly Ser Xaa Lys Asp Cys Thr Pro Xaa Lys
 145 150 155 160
 Cys Leu Arg Lys Ser Asp Glu Ala Leu Asn Arg Val Leu Gln Gln Ile
 165 170 175
 Arg Val Pro Pro Lys Met Lys Arg Gly Thr Ser Leu His Ser Arg Arg
 180 185 190
 Gly Lys Pro Glu Ala Pro Lys Gly Ser Pro Gln Ile Asn Arg Lys Ser
 195 200 205
 Gly Gln Glu Met Thr Ala Val Met Gln Ser Gly Arg Pro Arg Ser Ser
 210 215 220
 Ser Thr Thr Asp Ala Pro Thr Gly Ser Ala Met Met Glu Ile Ala Cys
 225 230 235 240
 Ala Ala Ala Ala Ala Ala Cys Leu Pro Gly Glu Glu Gly Thr
 245 250 255
 Ala Glu Arg Ile Glu Arg Leu Glu Val Ser Ser Leu Ala Gln Thr Ser
 260 265 270
 Ser Ala Val Ala Ser Ser Thr Asp Gly Ser Ile His Thr Asp Ser Val
 275 280 285
 Asp Gly Thr Pro Asp Pro Gln Arg Thr Lys Ala Ala Ile Ala His Leu
 290 295 300
 Gln Gln Lys Ile Leu Lys Leu Thr Glu Gln Ile Lys Ile Ala Gln Thr
 305 310 315 320
 Ala Arg Arg Asn Arg Arg Pro Gly
 325 328

<210> 801
 <211> 356
 <212>Amino acid
 <213> Homo sapiens

<400> 801
 Met Gln Thr Ile Glu Arg Leu Val Lys Glu Arg Asp Asp Leu Met Ser
 1 5 10 15
 Ala Leu Val Ser Val Arg Ser Ser Leu Ala Asp Thr Gln Gln Arg Glu
 20 25 30
 Ala Ser Ala Tyr Glu Gln Val Lys Gln Val Leu Gln Ile Ser Glu Glu
 35 40 45
 Ala Asn Phe Glu Lys Thr Lys Ala Leu Ile Gln Cys Asp Gln Leu Arg
 50 55 60
 Lys Glu Leu Glu Arg Gln Ala Glu Arg Leu Glu Lys Glu Leu Ala Ser
 65 70 75 80
 Gln Gln Glu Lys Arg Ala Ile Glu Lys Asp Met Met Lys Lys Glu Ile
 85 90 95
 Thr Lys Glu Arg Glu Tyr Met Gly Ser Lys Met Leu Ile Leu Ser Gln
 100 105 110
 Asn Ile Ala Gln Leu Glu Ala Gln Val Glu Lys Val Thr Lys Glu Lys
 115 120 125
 Ile Ser Ala Ile Asn Gln Leu Glu Glu Ile Gln Ser Gln Leu Ala Ser
 130 135 140
 Arg Glu Met Asp Val Thr Lys Val Cys Gly Glu Met Arg Tyr Gln Leu
 145 150 155 160
 Asn Lys Thr Asn Met Glu Lys Asp Glu Ala Glu Lys Glu His Arg Glu
 165 170 175

Phe Arg Ala Lys Thr Asn Arg Asp Leu Glu Ile Lys Asp Gln Glu Ile
 180 185 190
 Glu Lys Leu Arg Ile Glu Leu Asp Glu Ser Lys Gln His Leu Glu Gln
 195 200 205
 Glu Gln Gln Lys Ala Ala Leu Ala Arg Glu Glu Cys Leu Arg Leu Thr
 210 215 220
 Glu Leu Leu Gly Glu Ser Glu His Gln Leu His Leu Thr Arg Gln Glu
 225 230 235 240
 Lys Asp Ser Ile Gln Gln Ser Phe Ser Lys Glu Ala Lys Ala Gln Ala
 245 250 255
 Leu Gln Ala Gln Gln Arg Glu Gln Glu Leu Thr Gln Lys Ile Gln Gln
 260 265 270
 Met Glu Ala Gln His Asp Lys Thr Glu Asn Glu Gln Tyr Leu Leu Leu
 275 280 285
 Thr Ser Gln Asn Thr Phe Leu Thr Lys Leu Lys Glu Glu Cys Cys Thr
 290 295 300
 Leu Ala Lys Lys Leu Glu Gln Ile Ser Gln Lys Thr Arg Ser Glu Ile
 305 310 315 320
 Ala Gln Leu Ser Gln Glu Lys Arg Tyr Thr Tyr Asp Lys Leu Gly Lys
 325 330 335
 Leu Gln Arg Arg Asn Glu Glu Leu Glu Gln Cys Val Gln His Gly
 340 345 350
 Arg Ser Thr *
 355

<210> 802
<211> 210
<212>Amino acid
<213> Homo sapiens

<400> 802
 Ser Tyr Pro Val Trp Trp Asn Ser Pro Leu Thr Ala Glu Val Pro Pro
 1 5 10 15
 Glu Leu Leu Ala Ala Ala Gly Phe Phe His Thr Gly His Gln Asp Lys
 20 25 30
 Val Arg Cys Phe Cys Tyr Gly Gly Leu Gln Ser Trp Lys Arg Gly
 35 40 45
 Asp Asp Pro Trp Thr Glu His Ala Lys Trp Phe Pro Ser Cys Gln Phe
 50 55 60
 Leu Leu Arg Ser Lys Gly Arg Asp Phe Val His Ser Val Gln Glu Thr
 65 70 75 80
 His Ser Gln Leu Leu Gly Ser Trp Asp Pro Trp Glu Glu Pro Glu Asp
 85 90 95
 Ala Ala Pro Val Ala Pro Ser Val Pro Ala Ser Gly Tyr Pro Glu Leu
 100 105 110
 Pro Thr Pro Arg Arg Glu Val Gln Ser Glu Ser Ala Gln Glu Pro Gly
 115 120 125
 Gly Val Ser Pro Ala Glu Ala Gln Arg Ala Trp Trp Val Leu Glu Pro
 130 135 140
 Pro Gly Ala Arg Asp Val Glu Ala Gln Leu Arg Arg Leu Gln Glu Glu
 145 150 155 160
 Arg Thr Cys Lys Val Cys Leu Asp Arg Ala Val Ser Ile Val Phe Val
 165 170 175
 Pro Cys Gly His Leu Val Cys Ala Glu Cys Ala Pro Gly Leu Gln Leu
 180 185 190
 Cys Pro Ile Cys Arg Ser Pro Cys Gly Pro Leu Arg Pro Cys Leu Trp
 195 200 205
 Val Pro
 210

<210> 803
 <211> 130
 <212>Amino acid
 <213> Homo sapiens

<400> 803
 Met Cys Ser Tyr Arg Glu Lys Lys Ala Glu Pro Gln Glu Leu Leu Gln
 1 5 10 15
 Leu Asp Gly Tyr Thr Val Asp Tyr Thr Asp Pro Gln Pro Gly Leu Glu
 20 25 30
 Gly Gly Arg Ala Phe Phe Asn Ala Val Lys Glu Gly Asp Thr Val Ile
 35 40 45
 Phe Ala Ser Asp Asp Glu Gln Asp Arg Ile Leu Trp Val Gln Ala Met
 50 55 60
 Tyr Arg Ala Thr Gly Gln Ser His Lys Pro Val Pro Pro Thr Gln Val
 65 70 75 80
 Gln Lys Leu Asn Ala Lys Gly Gly Asn Val Pro Gln Leu Asp Ala Pro
 85 90 95
 Ile Ser Gln Phe Tyr Ala Asp Arg Ala Gln Lys His Gly Met Asp Glu
 100 105 110
 Phe Ile Ser Ser Asn Pro Cys Asn Phe Asp His Ala Ser Leu Phe Glu
 115 120 125
 Met *
 129

<210> 804
 <211> 458
 <212>Amino acid
 <213> Homo sapiens

<400> 804
 Lys Gln Leu Ile Val Leu Gly Asn Lys Val Asp Leu Leu Pro Gln Asp
 1 5 10 15
 Ala Pro Gly Tyr Arg Gln Arg Leu Arg Glu Arg Leu Trp Glu Asp Cys
 20 25 30
 Ala Arg Ala Gly Leu Leu Ala Pro Gly His Gln Gly Pro Gln Arg
 35 40 45
 Pro Val Lys Asp Glu Pro Gln Asp Gly Glu Asn Pro Asn Pro Pro Asn
 50 55 60
 Trp Ser Arg Thr Val Val Arg Asp Val Arg Leu Ile Ser Ala Lys Thr
 65 70 75 80
 Gly Tyr Gly Val Glu Glu Leu Ile Ser Ala Leu Gln Arg Ser Trp Arg
 85 90 95
 Tyr Arg Gly Asp Val Tyr Leu Val Gly Ala Thr Asn Ala Gly Lys Ser
 100 105 110
 Thr Leu Phe Asn Thr Leu Leu Glu Ser Asp Tyr Cys Thr Ala Lys Gly
 115 120 125
 Ser Glu Ala Ile Asp Arg Ala Thr Ile Ser Pro Trp Pro Gly Thr Thr
 130 135 140
 Leu Asn Leu Leu Lys Phe Pro Ile Cys Asn Pro Thr Pro Tyr Arg Met
 145 150 155 160
 Phe Lys Arg His Gln Arg Leu Lys Lys Asp Ser Thr Gln Ala Glu Glu
 165 170 175

Asp Leu Ser Glu Gln Glu Gln Asn Gln Leu Asn Val Leu Lys Lys His
 180 185 190
 Gly Tyr Val Val Gly Arg Val Gly Arg Thr Phe Leu Tyr Ser Glu Glu
 195 200 205
 Gln Lys Asp Asn Ile Pro Phe Glu Phe Asp Ala Asp Ser Leu Ala Phe
 210 215 220
 Asp Met Glu Asn Asp Pro Val Met Gly Thr His Lys Ser Thr Lys Gln
 225 230 235 240
 Val Glu Leu Thr Ala Gln Asp Val Lys Asp Ala His Trp Phe Tyr Asp
 245 250 255
 Thr Pro Gly Ile Thr Lys Glu Asn Cys Ile Leu Asn Leu Leu Thr Glu
 260 265 270
 Lys Glu Val Asn Ile Val Leu Pro Thr Gln Ser Ile Val Pro Arg Thr
 275 280 285
 Phe Val Leu Lys Pro Gly Met Val Leu Phe Leu Gly Ala Ile Gly Arg
 290 295 300
 Ile Asp Phe Leu Gln Gly Asn Gln Ser Ala Trp Phe Thr Val Val Ala
 305 310 315 320
 Ser Asn Ile Leu Pro Val His Ile Thr Ser Leu Asp Arg Ala Asp Ala
 325 330 335
 Leu Tyr Gln Lys His Ala Gly His Thr Leu Leu Gln Ile Pro Met Gly
 340 345 350
 Gly Lys Glu Arg Met Ala Gly Phe Pro Pro Leu Val Ala Glu Asp Ile
 355 360 365
 Met Leu Lys Glu Gly Leu Gly Ala Ser Glu Ala Val Ala Asp Ile Lys
 370 375 380
 Phe Ser Ser Ala Gly Trp Val Ser Val Thr Pro Asn Phe Lys Asp Arg
 385 390 395 400
 Leu His Leu Arg Gly Tyr Thr Pro Glu Gly Thr Val Leu Thr Val Arg
 405 410 415
 Pro Pro Leu Leu Pro Tyr Ile Val Asn Ile Lys Gly Gln Arg Ile Lys
 420 425 430
 Lys Ser Val Ala Tyr Lys Thr Lys Lys Pro Pro Ser Leu Met Tyr Asn
 435 440 445
 Val Arg Lys Lys Lys Gly Lys Ile Asn Val
 450 455 458

<210> 805
 <211> 290
 <212>Amino acid
 <213> Homo sapiens

<400> 805
 Ser Thr Val Ala Ser Met Met His Arg Gln Glu Thr Val Glu Cys Leu
 1 5 10 15
 Arg Lys Phe Asn Ala Arg Arg Lys Leu Lys Gly Ala Ile Leu Thr Thr
 20 25 30
 Met Leu Val Ser Arg Asn Phe Ser Ala Ala Lys Ser Leu Leu Asn Lys
 35 40 45
 Lys Ser Asp Gly Gly Val Lys Pro Gln Ser Asn Asn Lys Asn Ser Leu
 50 55 60
 Val Ser Pro Ala Gln Glu Pro Ala Pro Leu Gln Thr Ala Met Glu Pro
 65 70 75 80
 Gln Thr Thr Val Val His Asn Ala Thr Asp Gly Ile Lys Gly Ser Thr
 85 90 95
 Glu Ser Cys Asn Thr Thr Glu Asp Glu Asp Leu Lys Ala Ala Pro
 100 105 110
 Leu Arg Thr Gly Asn Gly Ser Ser Val Pro Glu Gly Arg Ser Ser Arg
 115 120 125

Asp Arg Thr Ala Pro Ser Ala Gly Met Gln Pro Gln Pro Ser Leu Cys
 130 135 140
 Ser Ser Ala Met Arg Lys Gln Glu Ile Ile Lys Ile Thr Glu Gln Leu
 145 150 155 160
 Ile Glu Ala Ile Asn Asn Gly Asp Phe Glu Ala Tyr Thr Lys Ile Cys
 165 170 175
 Asp Pro Gly Leu Thr Ser Phe Glu Pro Glu Ala Leu Gly Asn Leu Val
 180 185 190
 Glu Gly Met Asp Phe His Lys Phe Tyr Phe Glu Asn Leu Leu Ser Lys
 195 200 205
 Asn Ser Lys Pro Ile His Thr Thr Ile Leu Asn Pro His Val His Val
 210 215 220
 Ile Gly Glu Asp Ala Ala Cys Ile Ala Tyr Ile Arg Leu Thr Gln Tyr
 225 230 235 240
 Ile Asp Gly Gln Gly Arg Pro Ser Asn Pro Ala Lys Ser Glu Glu Thr
 245 250 255
 Arg Val Trp His Arg Arg Asp Gly Lys Trp Leu Asn Val His Tyr His
 260 265 270
 Cys Ser Gly Ala Pro Cys Pro His Arg Cys Ser Glu Leu Ser His Arg
 275 280 285
 Gly Phe
 290

<210> 806
 <211> 570
 <212>Amino acid
 <213> Homo sapiens

<400> 806
 Leu Pro Lys Asn Val Val Phe Val Leu Asp Ser Ser Ala Ser Met Val
 1 5 10 15
 Gly Thr Lys Leu Arg Gln Thr Lys Asp Ala Leu Phe Thr Ile Leu His
 20 25 30
 Asp Leu Arg Pro Gln Asp Arg Phe Ser Ile Ile Gly Phe Ser Asn Arg
 35 40 45
 Ile Lys Val Trp Lys Asp His Leu Ile Ser Val Thr Pro Asp Ser Ile
 50 55 60
 Arg Asp Gly Lys Val Tyr Ile His His Met Ser Pro Thr Gly Gly Thr
 65 70 75 80
 Asp Ile Asn Gly Ala Leu Gln Arg Ala Ile Arg Leu Leu Asn Lys Tyr
 85 90 95
 Val Ala His Ser Gly Ile Gly Asp Arg Arg Val Ser Leu Ile Val Phe
 100 105 110
 Leu Thr Asp Gly Lys Pro Thr Val Gly Glu Thr His Thr Leu Lys Ile
 115 120 125
 Leu Asn Asn Thr Arg Glu Ala Ala Arg Gly Gln Val Cys Ile Phe Thr
 130 135 140
 Ile Gly Ile Gly Asn Asp Val Asp Phe Arg Leu Leu Glu Lys Leu Ser
 145 150 155 160
 Leu Glu Asn Cys Gly Leu Thr Arg Arg Val His Glu Glu Glu Asp Ala
 165 170 175
 Gly Ser Gln Leu Ile Gly Phe Tyr Asp Glu Ile Arg Thr Pro Leu Leu
 180 185 190
 Ser Asp Ile Arg Ile Asp Tyr Pro Pro Ser Ser Val Val Gln Ala Thr
 195 200 205
 Lys Thr Leu Phe Pro Asn Tyr Phe Asn Gly Ser Glu Ile Ile Ile Ala
 210 215 220
 Gly Lys Leu Val Asp Arg Lys Leu Asp His Leu His Val Glu Val Thr
 225 230 235 240

Ala Ser Asn Ser Lys Lys Phe Ile Ile Leu Lys Thr Asp Val Pro Val
 245 250 255
 Arg Pro Gln Lys Ala Gly Lys Asp Val Thr Gly Ser Pro Arg Pro Gly
 260 265 270
 Gly Asp Gly Glu Gly Asp Thr Asn His Ile Glu Arg Leu Trp Ser Tyr
 275 280 285
 Leu Thr Thr Lys Glu Leu Leu Ser Ser Trp Leu Gln Ser Asp Asp Glu
 290 295 300
 Pro Glu Lys Glu Arg Leu Arg Gln Arg Ala Gln Ala Leu Ala Val Ser
 305 310 315 320
 Tyr Arg Phe Leu Thr Pro Phe Thr Ser Met Lys Leu Arg Gly Pro Val
 325 330 335
 Pro Arg Met Asp Gly Leu Glu Glu Ala His Gly Met Ser Ala Ala Met
 340 345 350
 Gly Pro Glu Pro Val Val Gln Ser Val Arg Gly Ala Gly Thr Gln Pro
 355 360 365
 Gly Pro Leu Leu Lys Lys Pro Tyr Gln Pro Arg Ile Lys Ile Ser Lys
 370 375 380
 Thr Ser Val Asp Gly Asp Pro His Phe Val Val Asp Phe Pro Leu Ser
 385 390 395 400
 Arg Leu Thr Val Cys Phe Asn Ile Asp Gly Gln Pro Gly Asp Ile Leu
 405 410 415
 Arg Leu Val Ser Asp His Arg Asp Ser Gly Val Thr Val Asn Gly Glu
 420 425 430
 Leu Ile Gly Ala Pro Ala Pro Pro Asn Gly His Lys Lys Gln Arg Thr
 435 440 445
 Tyr Leu Arg Thr Ile Thr Ile Leu Ile Asn Lys Pro Glu Arg Ser Tyr
 450 455 460
 Leu Glu Ile Thr Pro Ser Arg Val Ile Leu Asp Gly Gly Asp Arg Leu
 465 470 475 480
 Val Leu Pro Cys Asn Gln Ser Val Val Val Gly Ser Trp Gly Leu Glu
 485 490 495
 Val Ser Val Ser Ala Asn Ala Asn Val Thr Val Thr Ile Gln Gly Ser
 500 505 510
 Ile Ala Phe Val Ile Leu Ile His Leu Tyr Lys Lys Pro Ala Pro Phe
 515 520 525
 Gln Arg His His Leu Gly Phe Tyr Ile Ala Asn Ser Glu Gly Leu Ser
 530 535 540
 Ser Asn Cys Arg Val Phe Cys Glu Ser Gly Ile Leu Ile Gln Glu Leu
 545 550 555 560
 Thr Gln Gln Ser Val Ala Val Ala Gly Arg
 565 570

<210> 807
 <211> 279
 <212>Amino acid
 <213> Homo sapiens

<400> 807
 Phe Phe Leu Glu Gln Val Ser Gln Tyr Thr Phe Ala Met Cys Ser Tyr
 1 5 10 15
 Arg Glu Lys Lys Ser Glu Pro Gln Glu Leu Met Gln Leu Glu Gly Tyr
 20 25 30
 Thr Val Asp Tyr Thr Asp Pro His Pro Gly Leu Gln Gly Gly Cys Met
 35 40 45
 Phe Phe Asn Ala Val Lys Glu Gly Asp Thr Val Ile Phe Ala Ser Asp
 50 55 60
 Asp Glu Gln Asp Arg Ile Leu Trp Val Gln Ala Met Tyr Arg Ala Thr
 65 70 75 80

Gly Gln Ser Tyr Lys Pro Val Pro Ala Ile Gln Thr Gln Lys Leu Asn
 85 90 95
 Pro Lys Gly Gly Thr Leu His Ala Asp Ala Gln Leu Tyr Ala Asp Arg
 100 105 110
 Phe Gln Lys His Gly Met Asp Glu Phe Ile Ser Ala Asn Pro Cys Lys
 115 120 125
 Leu Asp His Ala Phe Leu Phe Arg Ile Leu Gln Arg Gln Thr Leu Asp
 130 135 140
 His Arg Leu Asn Asp Ser Tyr Ser Cys Leu Gly Trp Phe Ser Pro Gly
 145 150 155 160
 Gln Val Phe Val Leu Asp Glu Tyr Cys Ala Arg Tyr Gly Val Arg Gly
 165 170 175
 Cys His Arg His Leu Cys Tyr Leu Ala Glu Leu Met Glu His Ser Glu
 180 185 190
 Asn Gly Ala Val Ile Asp Pro Thr Leu Leu His Tyr Ser Phe Ala Phe
 195 200 205
 Cys Ala Ser His Val His Gly Asn Arg Pro Asp Gly Ile Gly Thr Val
 210 215 220
 Ser Val Glu Glu Lys Glu Arg Phe Glu Glu Ile Lys Glu Arg Leu Ser
 225 230 235 240
 Ser Leu Leu Glu Asn Gln Ile Ser His Phe Arg Tyr Cys Phe Pro Phe
 245 250 255
 Gly Arg Pro Glu Gly Ala Leu Lys Ala Thr Leu Ser Leu Leu Glu Arg
 260 265 270
 Val Leu Met Lys Asp Ile Ala
 275 279

<210> 808
<211> 251
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(251)
<223> X = any amino acid or stop code

<400> 808
Asp Gly Leu Leu His Glu Val Leu Asn Gly Leu Leu Asp Arg Pro Asp
 1 5 10 15
Trp Glu Glu Ala Val Lys Met Pro Val Gly Ile Leu Pro Cys Gly Ser
 20 25 30
Gly Asn Ala Leu Ala Gly Ala Val Asn Gln His Gly Gly Phe Glu Pro
 35 40 45
Ala Leu Gly Leu Asp Leu Leu Asn Cys Ser Leu Leu Leu Cys Arg
 50 55 60
Gly Gly Gly His Pro Leu Asp Leu Leu Ser Val Thr Leu Ala Ser Gly
 65 70 75 80
Ser Arg Cys Phe Ser Phe Leu Ser Val Ala Trp Gly Phe Val Ser Asp
 85 90 95
Val Asp Ile Gln Ser Glu Arg Phe Arg Ala Leu Gly Ser Ala Arg Phe
 100 105 110
Thr Leu Gly Thr Val Leu Gly Leu Ala Thr Leu His Thr Tyr Arg Gly
 115 120 125
Arg Leu Ser Tyr Leu Pro Ala Thr Val Glu Pro Ala Ser Pro Thr Pro
 130 135 140
Ala His Ser Leu Pro Arg Ala Lys Ser Glu Leu Thr Leu Thr Pro Asp
 145 150 155 160
Pro Ala Pro Pro Met Ala His Ser Pro Leu His Arg Ser Val Ser Asp

	165	170	175
Leu Pro Leu Pro Leu Pro Gln Pro Ala Leu Ala Ser Pro Gly Ser Pro			
180	185	190	
Glu Pro Leu Pro Ile Leu Ser Leu Asn Gly Gly Gly Pro Glu Leu Ala			
195	200	205	
Gly Asp Trp Gly Gly Ala Gly Asp Ala Pro Leu Ser Pro Asp Pro Gln			
210	215	220	
Leu Ser Ser Pro Pro Gly Ser Pro Lys Ala Ala Leu His Ser Pro Val			
225	230	235	240
Xaa Lys Lys Ala Pro Val Ile Pro Pro Asp Met			
	245	250	251

<210> 809
 <211> 174
 <212>Amino acid
 <213> Homo sapiens

	<400> 809		
Lys Gly Val Pro Thr Leu Leu Met Ala Ala Gly Ser Phe Tyr Asp Ile			
1	5	10	15
Leu Ala Ile Thr Gly Phe Asn Thr Cys Leu Gly Ile Ala Phe Ser Thr			
20	25	30	
Gly Ser Thr Val Phe Asn Val Leu Arg Gly Val Leu Glu Val Val Ile			
35	40	45	
Gly Val Ala Thr Gly Ser Val Leu Gly Phe Phe Ile Gln Tyr Phe Pro			
50	55	60	
Ser Arg Asp Gln Asp Lys Leu Val Cys Lys Arg Thr Phe Leu Val Leu			
65	70	75	80
Gly Leu Ser Val Leu Ala Val Phe Ser Ser Val His Phe Gly Phe Pro			
85	90	95	
Gly Ser Gly Gly Leu Cys Thr Leu Val Met Ala Phe Leu Ala Gly Met			
100	105	110	
Gly Trp Thr Ser Glu Lys Ala Glu Val Glu Lys Ile Ile Ala Val Ala			
115	120	125	
Trp Asp Ile Phe Gln Pro Leu Leu Phe Gly Leu Ile Gly Ala Glu Val			
130	135	140	
Ser Ile Ser Ser Leu Arg Pro Glu Thr Val Gly Leu Cys Val Ala Thr			
145	150	155	160
Val Gly Ile Ala Val Leu Ile Arg Ile Phe Asp Tyr Ile Phe			
165	170	174	

<210> 810
 <211> 104
 <212>Amino acid
 <213> Homo sapiens

	<400> 810		
Leu Leu Lys Glu Val Val Val Gln Ala Ser Pro Val Cys Lys Thr Cys			
1	5	10	15
Cys Ser Gln Leu Val Arg Thr Pro Val Thr Phe Thr Glu Val Gln Asn			
20	25	30	
Val Cys Arg Cys Ser Ala Gly Tyr Leu Ile Ser Val Cys Ser Tyr Thr			
35	40	45	
Ser Ser Asp His Asn Gln Cys Tyr Ala Gly Thr Ala Ser Leu Ala Leu			

50	55	60
Leu Trp Ile Gly Gly Ile Leu Lys Gly Cys Leu Leu Trp Lys Gln Phe		
65	70	75
Arg Trp Thr Glu Arg Ser His Trp Asn Phe Gly Tyr Trp Ala Leu Trp		80
85	90	95
Ser Pro Gly Asn Gly Asn Gly Cys		
100	104	

<210> 811
<211> 77
<212>Amino acid
<213> Homo sapiens

<400> 811		
Ile Cys Thr Ser Thr Tyr Leu Gln Ile Phe Pro Gly Lys Pro Ser Cys		
1	5	10
Phe Met Cys Lys Gly Arg Leu Met Cys Ile Tyr Phe Ile Leu Trp Tyr		15
20	25	30
Leu Gly His Tyr Thr Ser Leu His Trp Asn Trp Cys Arg Tyr Ile Ser		
35	40	45
Asp Pro Asn Val Asp Ala Cys Pro Asp Pro Arg Asn Ala Glu Val Ser		
50	55	60
Met Thr His Thr Val Pro Ala Leu Met Glu Leu Ile Asp		
65	70	75
		77

<210> 812
<211> 194
<212>Amino acid
<213> Homo sapiens

<400> 812		
Leu Glu Ser Leu Pro Gly Phe Lys Glu Ile Val Ser Arg Gly Val Lys		
1	5	10
Val Asp Tyr Leu Thr Pro Asp Phe Pro Ser Leu Ser Tyr Pro Asn Tyr		15
20	25	30
Tyr Thr Leu Met Thr Gly Arg His Cys Glu Val His Gln Met Ile Gly		
35	40	45
Asn Tyr Met Trp Asp Pro Thr Thr Asn Lys Ser Phe Asp Ile Gly Val		
50	55	60
Asn Lys Asp Ser Leu Met Pro Leu Trp Trp Asn Gly Ser Glu Pro Leu		
65	70	75
Trp Val Thr Leu Thr Lys Ala Lys Arg Lys Val Tyr Met Tyr Tyr Trp		80
85	90	95
Pro Gly Cys Glu Val Glu Ile Leu Gly Val Arg Pro Thr Tyr Cys Leu		
100	105	110
Glu Tyr Lys Asn Val Pro Thr Asp Ile Asn Phe Ala Asn Ala Val Ser		
115	120	125
Asp Ala Leu Asp Ser Phe Lys Ser Gly Arg Ala Asp Leu Ala Ala Ile		
130	135	140
Tyr His Glu Arg Ile Asp Val Glu Gly His His Tyr Gly Pro Ala Ser		
145	150	155
Pro Gln Arg Lys Asp Ala Leu Lys Ala Val Asp Thr Val Leu Lys Tyr		160
165	170	175
Met Thr Lys Trp Ile Gln Glu Arg Gly Leu Gln Asp Arg Leu Asn Val		

180	185	190
Ile Ile		
194		

<210> 813
<211> 116
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(116)
<223> X = any amino acid or stop code

<400> 813
Ala Arg Asp Phe His Pro Lys Gln Thr Leu Asp Phe Leu Arg Ser Asp
1 5 10 15
Met Ala Asn Ser Lys Ile Thr Glu Glu Val Lys Arg Ser Ile Ala Gln
20 25 30
Gln Tyr Leu Asp Leu Thr Val Ala Leu Glu Gln Val Asp Pro Asp Ala
35 40 45
Glu Val Asp Ala Ala Pro Ser Thr Thr Ser Ser Cys Gly His Xaa Asp
50 55 60
Ser His Ala Gly Ser Xaa Arg Val Leu Ser Leu Leu Gly Asp Xaa Gly
65 70 75 80
Pro Ala Xaa Thr Gly Ala Asn Ser Met Ala Gly Lys Leu Leu Val
85 90 95
Ala Trp Leu Gly Phe Pro Asp Pro Phe Trp Gly Lys Glu Leu Ser Asp
100 105 110
Pro Ala Phe Lys
115 116

<210> 814
<211> 121
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> X = any amino acid or stop code

<400> 814
Lys Gln Ser Gly Asp Val Thr Cys Asn Cys Thr Asp Gly Arg Leu Ala
1 5 10 15
Pro Ser Cys Leu Thr Cys Val Gly His Cys Ile Phe Gly Gly Tyr Cys
20 25 30
Thr Met Asn Ser Lys Met Met Pro Glu Cys Gln Ser Pro Pro His Met
35 40 45
Thr Gly Pro Arg Cys Glu Glu His Val Phe Ser Gln His Gln Pro Gly
50 55 60
His Ile Thr Ser Ile Leu Ile Pro Met Leu Xaa Leu Leu Leu Val
65 70 75 80
Leu Val Ala Gly Val Ile Phe Cys His Lys Arg Arg Val Gln Gly Ala

85	90	95
Lys Gly Phe Gln His Gln Arg Met Thr Asn Gly Ala Met Asn Ala Gln		
100	105	110
Ile Ala Asn Pro Thr Tyr Lys Met Tyr		
115	120	121

<210> 815
<211> 86
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(86)
<223> X = any amino acid or stop code

<400> 815			
Thr Val Glu Asn Ala Gly Arg Trp Leu Xaa Glu Glu Ala Glu Ile Gln			
1	5	10	15
Ala Glu Leu Glu Arg Leu Glu Arg Val Arg Asn Leu His Ile Arg Glu			
20	25	30	
Leu Lys Arg Ile Asn Asn Glu Asp Asn Ser Gln Phe Lys Asp His Pro			
35	40	45	
Thr Leu Asn Glu Arg Tyr Leu Leu Leu His Leu Leu Gly Arg Gly Gly			
50	55	60	
Phe Ser Glu Val Tyr Lys Val Met Tyr Gly Leu Phe Trp Phe Phe Tyr			
65	70	75	80
Thr Asn Val Ala Arg Ile			
85	86		

<210> 816
<211> 130
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(130)
<223> X = any amino acid or stop code

<400> 816			
Met Cys Glu Glu Phe Leu Val Met Gly Lys Gly Cys Ser Cys Val Phe			
1	5	10	15
Xaa Ile Leu Leu Ser Asn Pro Gln Met Trp Trp Leu Asn Asp Ser Asn			
20	25	30	
Pro Glu Thr Asp Asn Arg Gln Glu Ser Pro Ser Gln Glu Asn Ile Asp			
35	40	45	
Arg Val Ser Asp Met Ala Phe Val Pro Ser Ala Trp Thr Ala Ser Gly			
50	55	60	
Gly Val Ala Trp Gly Asn Leu Gly Glu Ser Gly Ser Arg Thr Gly Gly			
65	70	75	80
Val Arg Ala Glu Thr Leu Ala Pro Arg Leu Gln Val Xaa Pro Ala His			
85	90	95	
Leu Arg Gly His Pro Arg Ser Asn Arg Gly Gln Gly Arg Pro Pro Trp			

100	105	110
Lys Ala Gly Lys Leu Gly Lys Cys Gln Glu Val Leu Phe Arg	Phe Ala	
115	120	125
Ala Phe		
130		

<210> 817
<211> 119
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(119)
<223> X = any amino acid or stop code

<400> 817			
Phe Arg Ala Met Phe Leu Ala Val Gln His Asp Cys Arg Pro Met Asp			
1	5	10	15
Lys Ser Ala Gly Ser Gly His Lys Ser Glu Glu Lys Arg Glu Lys Met			
20	25	30	
Lys Arg Thr Leu Leu Lys Asp Trp Lys Thr Arg Leu Ser Tyr Phe Leu			
35	40	45	
Gln Asn Ser Ser Thr Pro Gly Lys Pro Lys Thr Gly Lys Lys Ser Lys			
50	55	60	
Gln Gln Ala Phe Ile Lys Xaa Val Glu Asn Pro Glu Leu Ala Asn Ile			
65	70	75	80
Asn Ser Xaa Leu Leu Asn Xaa Lys Gly Glu Leu Xaa Xaa Ala Xaa Ala			
85	90	95	
Asn Ile Gln Asn Leu Ser Cys Arg Pro Ser Pro Glu Glu Ala Gln Leu			
100	105	110	
Trp Ser Glu Ala Phe Asp Glu			
115	119		

<210> 818
<211> 131
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(131)
<223> X = any amino acid or stop code

<400> 818			
Gly Phe Asn Phe Ser Ser Pro Lys Leu Lys Gly Trp Lys Ile Asn			
1	5	10	15
Ser Ser Leu Val Leu Glu Ile Arg Lys Asn Ile Leu Arg Phe Leu Asp			
20	25	30	
Ala Glu Arg Asp Val Ser Val Val Lys Ser Ser Phe Pro Ser Lys Asp			
35	40	45	
Ala Arg His Ser Ser Val His Arg Xaa Phe Thr Gln Leu His Trp Gly			
50	55	60	
Pro Pro Ser His Thr Pro Ala Arg Pro Xaa Arg Gly Phe Phe Asn Phe			

65	70	75	80
Ser Ser Pro Lys Leu Lys Gly Trp Lys Ile Asn Ser Ser Leu Val Leu			
85	90	95	
Glu Ile Arg Lys Asn Ile Leu Arg Phe Leu Asp Ala Glu Arg Asp Val			
100	105	110	
Ser Val Val Lys Ser Ser Phe Pro Ser Lys Asp Ala Arg His Ser Ser			
115	120	125	
Val His Arg			
130	131		

<210> 819
<211> 85
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(85)
<223> X = any amino acid or stop code

<400> 819			
Arg Ile Asp Asp Gln Gln Glu Leu Lys Arg Val Thr Xaa Tyr Ser Gln			
1	5	10	15
Lys Glu Tyr Thr Lys Lys Lys Leu His Lys Lys Cys Asn Ile Ile Gln			
20	25	30	
Ala Asp Ile Lys Pro Asp Asn Ile Leu Asp Asn Glu Ser Ile Thr Ile			
35	40	45	
Leu Lys Leu Ser Asp Phe Gly Ser Ala Ser His Val Ala Asp Asn Asp			
50	55	60	
Ile Thr Pro Ser Ser Ser Gln Thr Thr Ser Ala Ala Ser Ser Pro Pro			
65	70	75	80
Arg Thr Leu Arg Arg			
85			

<210> 820
<211> 44
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(44)
<223> X = any amino acid or stop code

<400> 820			
Ser Ser Lys Pro Trp Asp Xaa Ser Leu Ala Pro Lys His Ser Gly Xaa			
1	5	10	15
Thr Lys Asn Met Asp Cys Tyr Cys Ile Ile Pro Thr Cys Ile Gly Arg			
20	25	30	
Glu Arg Cys Tyr Gly Thr Cys Ile Gly Asp Thr Val			
35	40	44	

<210> 821

<211> 105
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(105)
 <223> X = any amino acid or stop code

<400> 821
 Asn Ser Ser Lys Lys Leu Val Met Glu His Gln Trp Lys Lys Tyr Leu
 1 5 10 15
 Arg Arg Asn Tyr Gln Arg Met Leu Asn Arg Leu Ile Thr Leu Ile Gly
 20 25 30
 Ser Cys Gly Val Leu Xaa Leu Ile Ser Thr Ile Pro Thr Ser Arg Leu
 35 40 45
 Lys Phe Leu Lys Glu Thr Gly His Gly Thr Pro Met Glu Glu Ile Pro
 50 55 60
 Glu Glu Glu Leu Ser Glu Asp Val Glu Gln Ile Asp His Ala Asp Arg
 65 70 75 80
 Glu Leu Arg Arg Gly Gln Asn Leu Arg Cys Lys Gly Ile His Arg Leu
 85 90 95
 Pro Thr His Ile Gln Val Gly Gln Asn
 100 105

<210> 822
 <211> 172
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(172)
 <223> X = any amino acid or stop code

<400> 822
 Lys Trp Met Leu Leu His Ser Phe Lys Ile Phe Cys Leu Ser Leu Tyr
 1 5 10 15
 Pro Gln Leu Xaa Cys Pro Phe Glu Phe Phe Ser His Ser Ala Thr Ile
 20 25 30
 Phe His Glu Leu Val Tyr Lys Gln Thr Lys Ile Ile Ser Ser Asn Gln
 35 40 45
 Glu Leu Ile Tyr Glu Gly Arg Arg Leu Val Leu Glu Pro Gly Arg Leu
 50 55 60
 Ala Gln His Phe Pro Lys Thr Thr Glu Glu Asn Pro Ile Phe Val Val
 65 70 75 80
 Ser Arg Glu Pro Leu Asn Thr Ile Gly Leu Ile Tyr Glu Lys Ile Ser
 85 90 95
 Leu Pro Lys Val His Pro Arg Tyr Asp Leu Asp Gly Asp Ala Ser Met
 100 105 110
 Ala Lys Ala Ile Thr Gly Val Val Cys Tyr Ala Cys Arg Ile Ala Ser
 115 120 125
 Thr Leu Leu Leu Tyr Gln Glu Leu Met Arg Lys Gly Ile Arg Trp Leu
 130 135 140
 Ile Glu Leu Ile Lys Asp Asp Tyr Asn Glu Thr Val His Lys Lys Thr

145	150	155	160
Glu Val Val Ile Thr Leu Gly Phe Leu Val Ser Arg			
165	170	172	

<210> 823
<211> 104
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(104)
<223> X = any amino acid or stop code

<400> 823
Gly Thr Arg Lys Met Gly Pro Thr Val Ser Pro Ile Cys Leu Pro Gly
1 5 10 15
Thr Trp Gly Asp Tyr Asn Leu Met Asp Gly Asp Leu Gly Leu Ile Ser
20 25 30
Gly Trp Gly Arg Thr Glu Lys Arg Asp Arg Ala Asp Arg Leu Lys Ala
35 40 45
Gly Arg Ser Pro Ala Ala Gly Xaa Arg Lys Trp Glu Pro Gly Arg Gly
50 55 60
Asp Pro Thr Trp Glu Glu Ser Glu Glu Asp Val His Lys Ser Lys Trp
65 70 75 80
Thr Arg Cys Val Asp Glu Lys Gly Ala Xaa Cys Xaa Thr Asp Asn Lys
85 90 95
Arg Pro Leu Arg Cys Gly Val Thr
100 104

<210> 824
<211> 99
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(99)
<223> X = any amino acid or stop code

<400> 824
His Glu Leu Glu Asn Leu Ile Lys Ser Ala His Ser Tyr Ser Leu Tyr
1 5 10 15
Xaa Gly Xaa Tyr Leu His Gly Ala Xaa Thr Ala Glu Pro Glu Ala Ser
20 25 30
Phe Cys Pro Arg Arg Gly Trp Asn Arg Gln Ala Gly Ala Ala Gly Ser
35 40 45
Arg Met Asn Phe Arg Pro Gly Val Leu Ser Ser Arg Gln Leu Gly Leu
50 55 60
Pro Gly Pro Pro Asp Gly Pro Asp Tyr Thr Val Tyr Tyr Pro Phe His
65 70 75 80
Arg Leu Ala Met Val Thr Ala Ala Ser Arg Leu Glu Arg Glu His Leu
85 90 95
Thr His Leu

99

<210> 825
<211> 111
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(111)
<223> X = any amino acid or stop code

<400> 825
Pro Val Pro Leu Pro His Pro Ile Leu Glu Val Cys Pro Gly Gln Xaa
1 5 10 15
Glu Pro Gln Ser Ala Ile Ser Leu Thr Ala Phe Gln Val Gln Ala Gly
20 25 30
Ala Ser Arg Ala Ser Pro Gly Pro Pro Ala Pro Ser Ser Lys Pro
35 40 45
Gly Arg Lys Ala Lys Val Ala Ser Pro Cys Pro Asp Arg Pro Ala Pro
50 55 60
Pro Pro Thr Xaa Pro Arg Pro Ala Ala Ala Pro Gly Ser Glu Ser Ser
65 70 75 80
Pro Arg Pro Pro Arg Pro Arg Thr Gly Arg Arg Gln Gln Arg Ala His
85 90 95
Ala Arg Arg Ala Ala Ala Arg Thr Ala Pro Trp Arg Pro Ser Cys
100 105 110 111

<210> 826
<211> 95
<212>Amino acid
<213> Homo sapiens

<400> 826
His Glu Gly Arg Arg Gly Trp Ala Ser Ala Ser Gln Arg Phe Leu
1 5 10 15
Arg Asn Trp Ala Phe Leu Thr Pro Ser Lys Val Arg Arg Leu Lys Gly
20 25 30
Gln Lys Ala Phe Gly Lys Leu Pro Ser His Ser Asp Thr Ser Leu Thr
35 40 45
Ser Asp Leu Gly Phe His His Arg Phe Asn Pro Asn Ala Ser Ser Ser
50 55 60
Phe Lys Pro Ser Gly Thr Lys Phe Ala Ile Gln Tyr Gly Thr Gly Arg
65 70 75 80
Val Asp Gly Ile Leu Ser Glu Asp Lys Leu Thr Val Ser Gly Leu
85 90 95

<210> 827
<211> 33
<212>Amino acid
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(33)
 <223> X = any amino acid or stop code

<400> 827
 Gly Arg Asn Ile Met His Tyr Pro Asn Gly His Ala Ile Cys Ile Ala
 1 5 10 15
 Asn Gly His Cys Ile Ile Leu Xaa Asn Ser His Asn Ile Lys Val Trp
 20 25 30
 Val
 33

<210> 828
 <211> 178
 <212> Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(178)
 <223> X = any amino acid or stop code

<400> 828
 Ile Asn Leu Gly Asn Thr Cys Tyr Met Asn Ser Val Ile Xaa Ala Leu
 1 5 10 15
 Phe Met Ala Thr Asp Phe Arg Arg Gln Val Leu Ser Leu Asn Leu Asn
 20 25 30
 Gly Cys Asn Ser Leu Met Lys Lys Leu Gln His Leu Phe Ala Phe Leu
 35 40 45
 Ala His Thr Gln Arg Glu Ala Tyr Ala Pro Arg Ile Phe Phe Glu Ala
 50 55 60
 Ser Arg Pro Pro Trp Phe Thr Pro Arg Ser Gln Gln Asp Cys Ser Glu
 65 70 75 80
 Tyr Leu Arg Phe Leu Leu Asp Arg Leu His Glu Glu Glu Lys Ile Leu
 85 90 95
 Lys Val Gln Ala Ser His Lys Pro Ser Glu Ile Leu Glu Cys Ser Glu
 100 105 110
 Thr Ser Leu Gln Glu Val Ala Ser Lys Ala Ala Val Leu Thr Glu Thr
 115 120 125
 Pro Arg Thr Ser Asp Gly Glu Lys Thr Leu Ile Glu Lys Met Phe Gly
 130 135 140
 Gly Lys Leu Arg Thr His Ile Arg Cys Leu Asn Cys Thr Ser Thr Ser
 145 150 155 160
 Gln Lys Val Glu Ala Phe Thr Asp Leu Ser Leu Ala Phe Trp Pro Ser
 165 170 175
 Ser Ser
 178

<210> 829
 <211> 43
 <212> Amino acid
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(43)
 <223> X = any amino acid or stop code

<400> 829
 Ala Arg Asp Asp Pro Arg Val Arg Leu Ser Leu Ser Pro Asn Phe Phe
 1 . . 5 10 15
 Xaa Leu Ala Ser Lys Leu Gly Lys Gln Trp Thr Pro Leu Ile Ile Leu
 20 25 30
 Ala Asn Ser Leu Ser Gly Thr Asn Met Gly Glu
 35 40 43

<210> 830
 <211> 259
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(259)
 <223> X = any amino acid or stop code

<400> 830
 Met His Arg Ile Lys Leu Asn Asp Arg Met Thr Phe Pro Glu Glu Leu
 1 . . 5 10 15
 Asp Met Ser Thr Phe Ile Asp Val Glu Asp Glu Lys Ser Pro Gln Thr
 20 25 30
 Glu Ser Cys Thr Asp Ser Gly Ala Glu Asn Glu Gly Ser Cys His Ser
 35 40 45
 Asp Gln Met Ser Asn Asp Phe Ser Asn Asp Asp Gly Val Asp Glu Gly
 50 55 60
 Ile Cys Leu Glu Thr Asn Ser Gly Thr Glu Lys Ile Ser Lys Ser Gly
 65 70 75 80
 Leu Glu Lys Asn Ser Leu Ile Tyr Glu Leu Phe Ser Val Met Val His
 85 90 95
 Ser Gly Ser Ala Ala Gly Gly His Tyr Tyr Ala Cys Ile Lys Ser Phe
 100 105 110
 Ser Asp Glu Gln Trp Tyr Ser Phe Asn Asp Gln His Val Ser Arg Ile
 115 120 125
 Thr Gln Glu Asp Ile Lys Lys Thr His Gly Gly Ser Ser Gly Ser Arg
 130 135 140
 Gly Tyr Tyr Ser Ser Ala Phe Ala Ser Ser Thr Asn Ala Tyr Met Leu
 145 150 155 160
 Ile Tyr Arg Leu Lys Asp Pro Ala Arg Asn Ala Lys Phe Leu Glu Val
 165 170 175
 Asp Glu Tyr Pro Glu His Ile Lys Asn Leu Val Gln Lys Glu Arg Glu
 180 185 190
 Leu Glu Glu Gln Glu Lys Arg Gln Arg Glu Ile Glu Arg Asn Thr Cys
 195 200 205
 Lys Ile Lys Leu Phe Cys Leu His Pro Thr Lys Gln Val Met Met Glu
 210 215 220
 Asp Xaa Ile Glu Val His Lys Asp Lys Thr Leu Lys Glu Ala Val Glu
 225 230 235 240
 Met Ala Tyr Lys Met Met Asp Leu Glu Glu Val Ile Pro Leu Asp Cys
 245 250 255

Cys Arg Leu
259

<210> 831
<211> 200
<212>Amino acid
<213> Homo sapiens

<400> 831
 Ser Val Met Pro Val Pro Ala Leu Cys Leu Leu Trp Ala Leu Ala Met
 1 5 10 15
 Val Thr Arg Pro Ala Ser Ala Ala Pro Met Gly Gly Pro Glu Leu Ala
 20 25 30
 Gln His Glu Glu Leu Thr Leu Leu Phe His Gly Thr Leu Gln Leu Gly
 35 40 45
 Gln Ala Leu Asn Gly Val Tyr Arg Thr Thr Glu Gly Arg Leu Thr Lys
 50 55 60
 Ala Arg Asn Ser Leu Gly Leu Tyr Gly Arg Thr Ile Glu Leu Leu Gly
 65 70 75 80
 Gln Glu Val Ser Arg Gly Arg Asp Ala Ala Gln Glu Leu Arg Ala Ser
 85 90 95
 Leu Leu Glu Thr Gln Met Glu Glu Asp Ile Leu Gln Leu Gln Ala Glu
 100 105 110
 Ala Thr Ala Glu Val Leu Gly Glu Val Ala Gln Ala Gln Lys Val Leu
 115 120 125
 Arg Asp Ser Val Gln Arg Leu Glu Val Gln Leu Arg Ser Ala Trp Leu
 130 135 140
 Gly Pro Ala Tyr Arg Glu Phe Glu Val Leu Lys Ala His Ala Asp Lys
 145 150 155 160
 Gln Ser His Ile Leu Trp Ala Leu Thr Gly His Val Gln Arg Gln Arg
 165 170 175
 Arg Glu Met Val Ala Gln Gln His Arg Leu Arg Gln Ile Gln Glu Arg
 180 185 190
 Leu His Thr Ala Ala Leu Pro Ala
 195 200

<210> 832
<211> 225
<212>Amino acid
<213> Homo sapiens

<400> 832
 Ile Thr Ser Val Asp Pro Arg Val Arg Gly Asn Ala Ser Thr Gly Tyr
 1 5 10 15
 Gly Lys Ile Trp Leu Asp Asp Val Ser Cys Asp Gly Asp Glu Ser Asp
 20 25 30
 Leu Trp Ser Cys Arg Asn Ser Gly Trp Gly Asn Asn Asp Cys Ser His
 35 40 45
 Ser Glu Asp Val Gly Val Ile Cys Ser Asp Ala Ser Asp Met Glu Leu
 50 55 60
 Arg Leu Val Gly Gly Ser Ser Arg Cys Ala Gly Lys Val Glu Val Asn
 65 70 75 80
 Val Gln Gly Ala Val Gly Ile Leu Cys Ala Asn Gly Trp Gly Met Asn
 85 90 95

Ile Ala Glu Val Val Cys Arg Gln Leu Glu Cys Gly Ser Ala Ile Arg
 100 105 110
 Val Ser Arg Glu Pro His Phe Thr Glu Arg Thr Leu His Ile Leu Met
 115 120 125
 Ser Asn Ser Gly Cys Ala Gly Gly Glu Ala Ser Leu Trp Asp Cys Ile
 130 135 140
 Arg Trp Glu Trp Lys Gln Thr Ala Cys His Leu Asn Met Glu Ala Ser
 145 150 155 160
 Leu Ile Cys Ser Ala His Arg Gln Pro Arg Leu Val Gly Ala Asp Met
 165 170 175
 Pro Cys Ser Gly Arg Val Glu Val Lys His Ala His Thr Trp Arg Ser
 180 185 190
 Val Cys Asp Ser Asp Phe Ser Leu His Ala Ala Asn Val Leu Cys Arg
 195 200 205
 Glu Leu Asn Cys Gly Asp Ala Ile Ser Leu Ser Val Gly Asp His Phe
 210 215 220
 Gly
 225

<210> 833
<211> 206
<212>Amino acid
<213> Homo sapiens

<400> 833
 Ser Asn Tyr Pro Ser Ser Arg Phe Arg Val Ala Gly Ile Thr Gly Val
 1 5 10 15
 Lys Leu Gly Met Arg Ser Ile Pro Ile Ala Thr Ala Cys Thr Ile Tyr
 20 25 30
 His Lys Phe Phe Cys Glu Thr Asn Leu Asp Ala Tyr Asp Pro Tyr Leu
 35 40 45
 Ile Ala Met Ser Ser Ile Tyr Leu Ala Gly Lys Val Glu Glu Gln His
 50 55 60
 Leu Arg Thr Arg Asp Ile Ile Asn Val Ser Asn Arg Tyr Phe Asn Pro
 65 70 75 80
 Ser Gly Glu Pro Leu Glu Leu Asp Ser Arg Phe Trp Glu Leu Arg Asp
 85 90 95
 Ser Ile Val Gln Cys Glu Leu Leu Met Leu Arg Val Leu Arg Phe Gln
 100 105 110
 Val Ser Phe Gln His Pro His Lys Tyr Leu Leu His Tyr Leu Val Ser
 115 120 125
 Leu Gln Asn Trp Leu Asn Arg His Ser Trp Gln Arg Thr Pro Val Ala
 130 135 140
 Val Thr Ala Trp Ala Leu Leu Arg Asp Ser Tyr His Gly Ala Leu Cys
 145 150 155 160
 Leu Arg Phe Gln Ala Gln His Ile Ala Val Ala Val Leu Tyr Leu Ala
 165 170 175
 Leu Gln Val Tyr Gly Val Glu Val Pro Ala Glu Val Glu Ala Asp Glu
 180 185 190
 Ala Val Gly Trp Gln Ile Tyr Ala Met Asp Thr Glu Ile Pro
 195 200 205 206

<210> 834
<211> 86
<212>Amino acid
<213> Homo sapiens

<400> 834

Arg	Gly	Ser	Arg	His	Ala	Val	His	Gly	Trp	Ala	Phe	Gly	Leu	Leu	Phe
1					5				10						15
Ile	Asn	Lys	Glu	Ser	Val	Val	Met	Ala	Tyr	Leu	Phe	Thr	Thr	Phe	Asn
					20				25						30
Ala	Phe	Gln	Gly	Val	Phe	Ile	Phe	Val	Phe	His	Cys	Ala	Leu	Gln	Lys
					35				40						45
Lys	Val	Arg	Ser	Arg	Arg	Gly	Pro	Gly	Ser	Gln	Pro	Pro	Leu	Glu	Thr
					50				55						60
Phe	Pro	Gly	Tyr	Pro	Gly	Glu	Gly	Gly	Glu	Gly	Gly	Gly	Asp	Ser	Gly
					65				70						80
Ala	Pro	Ser	Ser	Pro	Gln										
					85				86						

<210> 835

<211> 110

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(110)

<223> X = any amino acid or stop code

<400> 835

Ala	Arg	Lys	Asp	Asp	Leu	Pro	Pro	Asn	Met	Arg	Phe	His	Glu	Glu	Lys
1					5				10						15
Arg	Leu	Asp	Phe	Glu	Trp	Thr	Leu	Lys	Ala	Gly	Xaa	Glu	Lys	Gly	Xaa
					20				25						30
Pro	Ser	Lys	Xaa	Asn	Lys	Gly	Trp	Glu	Gly	Gln	Glu	Xaa	Xaa	Xaa	Thr
					35				40						45
Val	Arg	Asp	Xaa	Gly	Ile	Ser	Xaa	Xaa	Val	Lys	Pro	Gln	His	Leu	Ser
					50				55						60
Xaa	Ala	Leu	Gln	Met	Ala	Leu	Lys	Arg	Val	Tyr	Thr	Leu	Leu	Ser	Ser
					65				70						80
Trp	Asn	Cys	Leu	Glu	Asp	Phe	Asp	Gln	Ile	Phe	Trp	Gly	Gln	Lys	Ser
					85				90						95
Ala	Leu	Ala	Gly	Gln	Trp	Phe	Pro	Glu	Val	Ser	Ile	Ile	Pro		
					100				105						110

<210> 836

<211> 70

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(70)

<223> X = any amino acid or stop code

<400> 836

Gly Lys Gln Gln Arg Glu Thr Leu Arg Arg Pro Ser Pro Thr Ile Ser
 1 5 10 15
 Val Gln Arg Ala Gly Ser Pro Glu His Ser Ser Ala Ser His Xaa His
 20 25 30
 Ser Pro Cys Pro Ala Pro Gly Gln Arg Val Leu Pro Thr Ala Leu Cys
 35 40 45
 Thr Leu Met Thr Ser Lys His Phe His Gly Cys Pro Leu Ala Gly Gln
 50 55 60
 Gly Arg Ala Val Thr Leu
 65 70

<210> 837
<211> 473
<212>Amino acid
<213> Homo sapiens

<400> 837
 Gly Val Cys Gly Leu Pro Arg Phe Cys Gly Ser Ile Ile Leu Cys His
 1 5 10 15
 Tyr Glu Met Ser Ser Leu Gly Ala Ser Phe Val Gln Ile Lys Phe Asp
 20 25 30
 Asp Leu Gln Phe Phe Glu Asn Cys Gly Gly Ser Phe Gly Ser Val
 35 40 45
 Tyr Arg Ala Lys Trp Ile Ser Gln Asp Lys Glu Val Ala Val Lys Lys
 50 55 60
 Leu Leu Lys Ile Glu Lys Glu Ala Glu Ile Leu Ser Val Leu Ser His
 65 70 75 80
 Arg Asn Ile Ile Gln Phe Tyr Gly Val Ile Leu Glu Pro Pro Asn Tyr
 85 90 95
 Gly Ile Val Thr Glu Tyr Ala Ser Leu Gly Ser Leu Tyr Asp Tyr Ile
 100 105 110
 Asn Ser Asn Arg Ser Glu Glu Met Asp Met Asp His Ile Met Thr Trp
 115 120 125
 Ala Thr Asp Val Ala Lys Gly Met His Tyr Leu His Met Glu Ala Pro
 130 135 140
 Val Lys Val Ile His Arg Asp Leu Lys Ser Arg Asn Val Val Ile Ala
 145 150 155 160
 Ala Asp Gly Val Leu Lys Ile Cys Asp Phe Gly Ala Ser Arg Phe His
 165 170 175
 Asn His Thr Thr His Met Ser Leu Val Gly Thr Phe Pro Trp Met Ala
 180 185 190
 Pro Glu Val Ile Gln Ser Leu Pro Val Ser Glu Thr Cys Asp Thr Tyr
 195 200 205
 Ser Tyr Gly Val Val Leu Trp Glu Met Leu Thr Arg Glu Val Pro Phe
 210 215 220
 Lys Gly Leu Glu Gly Leu Gln Val Ala Trp Leu Val Val Glu Lys Asn
 225 230 235 240
 Glu Arg Leu Thr Ile Pro Ser Ser Cys Pro Arg Ser Phe Ala Glu Leu
 245 250 255
 Leu His Gln Cys Trp Glu Ala Asp Ala Lys Lys Arg Pro Ser Phe Lys
 260 265 270
 Gln Ile Ile Ser Ile Leu Glu Ser Met Ser Asn Asp Thr Ser Leu Pro
 275 280 285
 Asp Lys Cys Asn Ser Phe Leu His Asn Lys Ala Glu Trp Arg Cys Glu
 290 295 300
 Ile Glu Ala Thr Leu Glu Arg Leu Lys Lys Leu Glu Arg Asp Leu Ser
 305 310 315 320
 Phe Lys Glu Gln Glu Leu Lys Glu Arg Glu Arg Arg Leu Lys Met Trp
 325 330 335

Glu Gln Lys Leu Thr Glu Gln Ser Asn Thr Pro Leu Leu Leu Pro Leu
 340 345 350
 Ala Ala Arg Met Ser Glu Glu Ser Tyr Phe Glu Ser Lys Thr Glu Glu
 355 360 365
 Ser Asn Ser Ala Glu Met Ser Cys Gln Ile Thr Ala Thr Ser Asn Gly
 370 375 380
 Glu Gly His Gly Met Asn Pro Ser Leu Gln Ala Met Met Leu Met Gly
 385 390 395 400
 Phe Gly Asp Ile Phe Ser Met Asn Lys Ala Gly Ala Val Met His Ser
 405 410 415
 Gly Met Gln Ile Asn Met Gln Ala Lys Gln Asn Ser Ser Lys Thr Thr
 420 425 430
 Ser Lys Arg Arg Gly Lys Lys Val Asn Met Ala Leu Gly Phe Ser Asp
 435 440 445
 Phe Asp Leu Ser Glu Gly Asp Asp Asp Asp Asp Asp Gly Glu Glu
 450 455 460
 Glu Tyr Asn Asp Met Asp Asn Ser Glu
 465 470 473

<210> 838
 <211> 48
 <212>Amino acid
 <213> Homo sapiens

<400> 838
 Met Leu Trp Glu Thr Gly Cys Ser Ala Ala Cys Arg Val Thr Val Ser
 1 5 10 15
 Pro Thr Val Thr Phe Ala Thr Phe Ser Thr Arg Gly Ile Asp Ala Met
 20 25 30
 Arg Pro Gly Pro Ser Phe Leu Trp Arg Gln Gln Leu Ser Gln Gly *
 35 40 45 47

<210> 839
 <211> 116
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(116)
 <223> X = any amino acid or stop code

<400> 839
 Pro Thr Leu Gly Asp Gln Pro Asp Leu His Ser Ile Thr Arg Ala Ser
 1 5 10 15
 Arg Pro Lys Leu Cys Thr Arg Lys Asn Cys Asn Pro Leu Thr Ile Thr
 20 25 30
 Val His Asp Pro Asn Ser Thr Gln Xaa Tyr Tyr Gly Met Ser Trp Glu
 35 40 45
 Leu Arg Phe Tyr Ile Pro Gly Phe Asp Val Gly Thr Met Phe Thr Ile
 50 55 60
 Gln Lys Ile Leu Val Ser Trp Ser Pro Pro Lys Pro Ile Gly Pro Leu
 65 70 75 80
 Thr Asp Leu Gly Asp Pro Met Phe Gln Lys Pro Pro Asn Lys Val Asp

85	90	95
Leu Thr Val Pro Pro Pro Phe Leu Val Ile Lys Asp Thr Leu Gln Lys		
100	105	110
Phe Glu Lys Ile		
115	116	

<210> 840
<211> 138
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(138)
<223> X = any amino acid or stop code

<400> 840			
Ser Leu Asn Asn Val Thr Leu Pro Gln Ala Lys Thr Glu Lys Asp Phe			
1	5	10	15
Ile Gln Leu Cys Thr Pro Gly Val Ile Lys Gln Glu Lys Leu Gly Thr			
20	25	30	
Val Tyr Cys Gln Ala Ser Ser Pro Gly Ala Asn Met Ile Gly Asn Lys			
35	40	45	
Met Ser Ala Ile Ser Val His Gly Val Ser Thr Ser Gly Gly Gln Met			
50	55	60	
Tyr His Tyr Asp Met Asn Thr Ala Ser Leu Ser Gln Gln Xaa Asp Gln			
65	70	75	80
Lys Pro Ile Phe Asn Val Ile Pro Pro Ile Pro Val Gly Ser Glu Asn			
85	90	95	
Trp Asn Arg Cys Gln Gly Ser Gly Asp Asp Asn Leu Thr Ser Leu Gly			
100	105	110	
Thr Leu Asn Phe Pro Gly Arg Thr Val Ser Phe Ser Phe Glu Met Glu			
115	120	125	
Ser Arg Ser Val Ala Gln Ala Gly Val Gln			
130	135	138	

<210> 841
<211> 82
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(82)
<223> X = any amino acid or stop code

<400> 841			
Arg His Thr Gln Glu Cys Arg Cys Pro His Thr His Ile His Thr His			
1	5	10	15
Thr His Ser His Thr His Ser His Thr His Ser His Ser His Ser His			
20	25	30	
Thr Thr Pro Arg Cys Ser His Thr Gln Pro Pro His Ala Gln Ala Pro			
35	40	45	
Ala Leu Cys Xaa Ser Xaa Glu Asp Arg Gly Gln Pro Thr Trp Lys Leu			

50	55	60
Cys Ala His Arg Pro Arg	Leu Lys Val Ile Lys	Glu Gly Gly Trp Leu
65	70	75
Gly Gly		
82		

<210> 842
 <211> 58
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(58)
 <223> X = any amino acid or stop code

<400> 842		
Asn Tyr Ser Leu Ser Val Val Tyr Leu Val Arg Gln Leu Thr Ala Gly Thr		
1	5	10
Leu Leu Gln Lys Leu Arg Ala Lys Gly Ile Arg Asn Pro Asp His Ser		
20	25	30
Arg Ala Leu Ser Glu Xaa His Leu Ser Ser Leu Pro His Leu Ile Trp		
35	40	45
Ile Gln Val Phe Leu Ala Leu Gln Pro Ser		
50	55	58

<210> 843
 <211> 230
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(230)
 <223> X = any amino acid or stop code

<400> 843		
Ala Thr Tyr Ile Val Asp Phe Gly Phe Ser Thr Thr Phe Arg Glu Gly		
1	5	10
Gln Met Leu Thr Ala Phe Cys Gly Met Tyr Pro Tyr Val Ala Pro Glu		
20	25	30
Arg Ser Leu Gly Gln Ala Cys Gln Xaa Pro Ala Arg Asp Ile Gln Ser		
35	40	45
Leu Ser Val Ile Leu Tyr Phe Arg Asn Thr Val Gly Arg Arg Ala Arg		
50	55	60
Thr Leu Pro Phe Tyr Ser Ala Glu Ala Ser Lys Leu Gln Glu Lys Ile		
65	70	75
Leu Thr Gly Arg Tyr His Ala Pro Pro Leu Leu Ala Leu Gln Leu Asp		
85	90	95
Ser Leu Ile Lys Leu Leu Met Leu Asn Ala Arg Lys Cys Pro Ser Leu		
100	105	110
Xaa Leu Met Lys Asn Pro Trp Val Lys Ser Ser Gln Lys Met Pro Leu		
115	120	125
Ile Pro Tyr Glu Glu Pro Leu Arg Gly Pro Pro Gln Thr Ile Gln Leu		

130	135	140
Met Val Ala Met Gly Phe Gln Ala Lys Asn Ile Ser Val Ala Ile Ile		
145	150	155
Glu Arg Lys Phe Asn Tyr Pro Met Ala Thr Tyr Leu Ile Leu Glu His		160
165	170	175
Thr Lys Gln Glu Arg Lys Cys Ser Thr Ile Arg Glu Leu Ser Leu Pro		
180	185	190
Pro Gly Val Pro Thr Ser Pro Ser Pro Ser Thr Glu Leu Ser Thr Phe		
195	200	205
Pro Leu Ser Leu Met Arg Ala His Arg Glu Pro Ala Phe Asn Val Gln		
210	215	220
Pro Pro Glu Glu Ser Gln		
225	230	

<210> 844
<211> 258
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(258)
<223> X = any amino acid or stop code

<400> 844		
Ala Lys Gln Glu Leu Ala Lys Leu Met Arg Ile Glu Asp Pro Ser Leu		
1	5	10
Leu Asn Ser Arg Val Leu Leu His His Ala Lys Ala Gly Thr Ile Ile		
20	25	30
Ala Arg Gln Gly Asp Gln Asp Val Ser Leu His Phe Val Leu Trp Gly		
35	40	45
Cys Leu His Val Tyr Gln Arg Met Ile Asp Lys Ala Glu Asp Val Cys		
50	55	60
Leu Phe Val Ala Gln Pro Gly Glu Leu Val Gly Gln Leu Ala Val Leu		
65	70	75
Thr Gly Glu Pro Leu Ile Phe Thr Leu Arg Ala Gln Arg Asp Cys Thr		
85	90	95
Phe Leu Arg Ile Ser Lys Ser Asp Phe Tyr Glu Ile Met Arg Ala Gln		
100	105	110
Pro Ser Val Val Leu Ser Ala Ala His Thr Val Ala Ala Arg Met Ser		
115	120	125
Pro Phe Val Arg Gln Met Asp Phe Ala Ile Asp Trp Thr Ala Val Glu		
130	135	140
Ala Gly Arg Ala Leu Tyr Arg Cys Ser Ser His Arg Ala Ala Gln Ala		
145	150	155
Arg Pro Arg Gly Gly Asp Leu Gly Val Val Arg Pro Cys Xaa Pro Pro		
165	170	175
Arg Pro Leu Arg Gln Gly Asp Arg Ser Asp Cys Thr Tyr Ile Val Leu		
180	185	190
Asn Gly Arg Leu Arg Ser Val Ile Gln Arg Gly Ser Gly Lys Lys Glu		
195	200	205
Leu Val Gly Glu Tyr Gly Arg Gly Asp Leu Ile Gly Val Val Ser Ala		
210	215	220
Thr Pro Thr His Xaa Pro Leu Ala Phe Ser Arg Pro Val Pro Arg Gln		
225	230	235
Leu Thr Arg Ile Ile Pro Gly Asn Pro Gly Ser Gly Glu Val Phe Pro		
245	250	255
Gly Ala		
258		

<210> 845
 <211> 235
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(235)
 <223> X = any amino acid or stop code

<400> 845
 His Ala Ser Gly Trp Thr Pro Gly Thr Thr Gln Thr Leu Gly Gln Gly
 1 5 10 15
 Thr Ala Trp Asp Thr Val Ala Ser Thr Pro Gly Thr Ser Glu Thr Thr
 20 25 30
 Ala Ser Ala Glu Gly Arg Arg Thr Pro Gly Ala Thr Arg Pro Ala Ala
 35 40 45
 Pro Gly Thr Gly Ser Trp Ala Glu Gly Ser Val Lys Ala Pro Ala Pro
 50 55 60
 Ile Pro Glu Ser Pro Pro Ser Lys Ser Arg Ser Met Ser Asn Thr Thr
 65 70 75 80
 Glu Gly Val Trp Glu Gly Thr Arg Ser Ser Val Thr Asn Arg Ala Arg
 85 90 95
 Ala Ser Lys Asp Arg Arg Glu Met Thr Thr Lys Ala Asp Arg Pro
 100 105 110
 Arg Glu Asp Ile Glu Gly Val Arg Ile Ala Leu Asp Ala Ala Lys Lys
 115 120 125
 Val Leu Gly Thr Ile Gly Pro Pro Ala Leu Val Ser Glu Thr Leu Ala
 130 135 140
 Trp Glu Ile Leu Pro Gln Ala Thr Pro Val Ser Lys Gln Gln Ser Gln
 145 150 155 160
 Gly Ser Ile Gly Glu Thr Thr Pro Ala Ala Gly Met Trp Thr Leu Gly
 165 170 175
 Thr Pro Ala Ala Asp Val Trp Ile Leu Gly Thr Pro Ala Ala Asp Val
 180 185 190
 Trp Thr Ser Met Glu Ala Ala Ser Gly Glu Gly Ser Ala Ala Gly Asp
 195 200 205
 Leu Asp Ala Ala Thr Gly Asp Arg Gly Pro Gln Ala Thr Leu Ser Gln
 210 215 220
 Thr Pro Ala Val Xaa Pro Trp Gly Pro Pro Gly
 225 230 235

<210> 846
 <211> 134
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(134)
 <223> X = any amino acid or stop code

<400> 846

Ala Gly Thr Ser Gly Thr Gly Asp Thr Gly Pro Gly Asn Thr Ala Val
 1 5 10 15
 Ser Gly Thr Pro Val Val Ser Pro Gly Ala Thr Pro Gly Ala Pro Gly
 20 25 30
 Ser Ser Thr Pro Gly Glu Ala Asp Ile Gly Asn Thr Ser Phe Gly Lys
 35 40 45
 Ser Gly Thr Pro Thr Val Ser Ala Ala Ser Thr Thr Ser Ser Pro Val
 50 55 60
 Ser Lys His Thr Asp Ala Ala Ser Ala Thr Ala Val Thr Ile Ser Gly
 65 70 75 80
 Ser Lys Pro .Gly Thr Pro Gly Thr Pro Gly Gly Ala Thr Ser Gly Gly
 85 90 95
 Lys Ile Thr Pro Gly Ile Ala Xaa Pro Thr Leu Asp Gln Lys Ser Pro
 100 105 110
 Cys Phe Ser Gly Tyr Gly Gly Tyr Phe Pro Val Asn Pro His Gln Asn
 115 120 125
 Pro Cys Ala Asp Ser Leu
 130 134

<210> 847
 <211> 188
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(188)
 <223> X = any amino acid or stop code

<400> 847
 Arg Ala His Arg Cys Cys Leu Pro Leu Pro Ser Leu Ser Cys Glu Ile
 1 5 10 15
 Gln Ile Gly Phe Ser Xaa Ser Ser Ile Phe Pro Gly Gln Xaa Ala Cys
 20 25 30
 Pro Cys Ser Cys Cys Arg Ser Cys Arg Arg Asn Trp Pro Gln Ser Pro
 35 40 45
 Arg Cys Pro His His Pro Pro Ala Pro Cys Ser Leu Leu Leu Ser Ser
 50 55 60
 Cys Leu Pro Pro Pro Leu Ser Cys Ser Trp Arg Gly Thr Ser Gly Lys
 65 70 75 80
 Pro Pro Ser Gln Ser Pro Ala Ala Ser Arg Ser Met Arg Pro Arg Cys
 85 90 95
 Ser Pro Arg Thr Ser Ser Leu Arg Gly Ala Ser Cys Arg Gly Pro Gly
 100 105 110
 Gly Ser Ala Pro Ala Ala Ser Gly Pro Arg Cys Arg Gly Cys Ser
 115 120 125
 Arg Ser Pro Arg Arg Cys Ser Arg Ser Gly Cys Ala Ala Ala Ser Pro
 130 135 140
 Pro Arg Ser Gln Arg Arg Ser Pro Pro Leu Ser Pro Pro Pro Phe Pro
 145 150 155 160
 Thr Ser Gly Thr Leu Leu Leu Lys Thr Ser Arg Phe Gly Ser Ala Thr
 165 170 175
 Arg Glu Xaa Ser Ser Pro Arg Pro Arg Pro Arg Pro
 180 185 188

<210> 848
 <211> 328
 <212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(328)

<223> X = any amino acid or stop code

<400> 848

Asp	Asp	Val	Pro	Pro	Pro	Ala	Pro	Asp	Leu	Tyr	Asp	Val	Pro	Pro	Gly
1						5			10				15		
Leu	Arg	Arg	Pro	Gly	Pro	Gly	Thr	Leu	Tyr	Asp	Val	Pro	Arg	Glu	Arg
						20			25			30			
Val	Leu	Pro	Pro	Glu	Val	Ala	Asp	Gly	Gly	Val	Val	Asp	Ser	Gly	Val
						35			40			45			
Tyr	Ala	Val	Pro	Pro	Pro	Ala	Glu	Arg	Glu	Ala	Pro	Ala	Glu	Gly	Lys
						50			55			60			
Arg	Leu	Ser	Ala	Ser	Ser	Thr	Gly	Ser	Thr	Arg	Ser	Ser	Gln	Ser	Ala
65						70			75			80			
Ser	Ser	Leu	Glu	Val	Ala	Gly	Pro	Gly	Arg	Glu	Pro	Leu	Glu	Leu	Glu
						85			90			95			
Val	Ala	Val	Glu	Ala	Leu	Ala	Arg	Leu	Gln	Gln	Gly	Val	Ser	Ala	Thr
						100			105			110			
Val	Ala	His	Leu	Leu	Asp	Leu	Ala	Gly	Ser	Ala	Gly	Ala	Thr	Gly	Ser
						115			120			125			
Trp	Arg	Ser	Pro	Ser	Glu	Pro	Gln	Glu	Pro	Leu	Val	Gln	Asp	Leu	Gln
						130			135			140			
Ala	Ala	Val	Ala	Ala	Val	Gln	Ser	Ala	Val	His	Glu	Leu	Glu	Phe	
145						150			155			160			
Ala	Arg	Ser	Ala	Val	Gly	Asn	Ala	Ala	His	Thr	Ser	Asp	Arg	Ala	Leu
						165			170			175			
His	Ala	Lys	Leu	Ser	Arg	Gln	Leu	Gln	Lys	Met	Glu	Asp	Val	His	Gln
						180			185			190			
Thr	Leu	Val	Ala	His	Gly	Gln	Ala	Leu	Asp	Ala	Gly	Arg	Gly	Ser	
						195			200			205			
Gly	Ala	Thr	Leu	Glu	Asp	Leu	Asp	Arg	Leu	Val	Ala	Cys	Ser	Arg	Ala
						210			215			220			
Val	Pro	Glu	Asp	Ala	Lys	Gln	Leu	Ala	Ser	Phe	Leu	His	Gly	Asn	Ala
225						230			235			240			
Ser	Leu	Leu	Phe	Arg	Arg	Thr	Lys	Ala	Thr	Ala	Pro	Gly	Pro	Glu	Gly
						245			250			255			
Gly	Gly	Thr	Leu	His	Pro	Asn	Pro	Thr	Asp	Lys	Thr	Ser	Ser	Ile	Gln
						260			265			270			
Ser	Arg	Pro	Ieu	Pro	Ser	Pro	Pro	Lys	Phe	Thr	Ser	Gln	Asp	Ser	Pro
						275			280			285			
Asp	Gly	Gln	Tyr	Glu	Asn	Ser	Glu	Gly	Gly	Trp	Met	Glu	Asp	Tyr	Asp
290						295			300						
Tyr	Val	His	Leu	Thr	Gly	Gly	Arg	Arg	Ser	Phe	Xaa	Lys	Thr	Gln	Lys
305						310			315			320			
Glu	Leu	Leu	Gly	Lys	Arg	Ala	Ala								
					325			328							

<210> 849

<211> 98

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(98)

<223> X = any amino acid or stop code

<400> 849
 Met Ala Thr Asp Glu Glu Asn Val Tyr Gly Leu Glu Glu Asn Ala Gln
 1 5 10 15
 Ser Arg Gln Glu Ser Thr Arg Arg Leu Ile Leu Val Gly Arg Thr Gly
 20 25 30
 Ala Gly Lys Ser Ala Thr Gly Asn Ser Ile Leu Gly Gln Arg Arg Phe
 35 40 45
 Phe Ser Arg Leu Gly Ala Thr Ser Val Thr Arg Ala Cys Thr Thr Gly
 50 55 60
 Ser Arg Arg Trp Asp Lys Cys His Val Glu Val Val Asp Thr Pro Asp
 65 70 75 80
 Ile Phe Ser Ser Gln Val Ser Lys Thr Asp Pro Gly Cys Glu Glu Arg
 85 90 95
 Xaa *
 97

<210> 850
 <211> 94
 <212>Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(94)
 <223> X = any amino acid or stop code

<400> 850
 Thr Leu Gly Leu Arg Ser Leu Thr Lys Glu Gly Gly Gly Gly Asp
 1 5 10 15
 Val Ala Ala Phe Glu Val Gly Thr Gly Ala Ala Ala Ser Arg Ala Leu
 20 25 30
 Gly Gln Cys Gly Gln Leu Gln Lys Leu Ile Val Ile Phe Ile Gly Ser
 35 40 45
 Leu Cys Gly Leu Cys Thr Lys Cys Ala Val Ser Asn Asp Leu Thr Gln
 50 55 60
 Gln Glu Ile Gln Thr Pro Glu Ile Gln Gln Arg Asn Ala Xaa Cys Asp
 65 70 75 80
 Ser Arg Val Thr Phe Thr Asn Glu Gly Gly Arg Trp Trp Gly
 85 90 94

<210> 851
 <211> 50
 <212>Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(50)
 <223> X = any amino acid or stop code

<400> 851
 Phe Phe Phe Leu Val Glu Thr Arg Phe His His Ile Gly Gln Ala Gly
 1 5 10 15
 Leu Glu Leu Leu Thr Leu Ser Ile Lys Xaa Ser Ala Arg Leu Gly Leu
 20 25 30
 Pro Lys Cys Trp Asp Asp Arg Arg Glu Pro Pro Tyr Leu Ala Gly Phe
 35 40 45
 Met Ile
 50

<210> 852
 <211> 143
 <212>Amino acid
 <213> Homo sapiens

<400> 852
 Arg Arg Ser Pro Pro Ala Pro Pro Pro Leu Pro Ser Pro Leu Ser
 1 5 10 15
 Pro Pro Pro Arg Ala Pro Val Ser Pro Ala Ser Thr Met Pro Ile Leu
 20 25 30
 Leu Phe Leu Ile Asp Thr Ser Ala Ser Met Asn Gln Arg Ser His Leu
 35 40 45
 Gly Thr Thr Tyr Leu Asp Thr Ala Lys Gly Ala Val Glu Thr Phe Met
 50 55 60
 Lys Leu Arg Ala Arg Asp Pro Ala Ser Arg Gly Asp Arg Tyr Met Leu
 65 70 75 80
 Val Thr Phe Glu Glu Pro Pro Tyr Ala Ile Lys Ala Gly Trp Lys Glu
 85 90 95
 Asn His Ala Thr Phe Met Asn Glu Leu Lys Asn Leu Gln Ala Glu Gly
 100 105 110
 Leu Thr Thr Leu Gly Gln Ser Leu Arg Thr Ala Phe Asp Leu Leu Asn
 115 120 125
 Leu Asn Arg Leu Val Thr Gly Ile Asp Asn Tyr Gly Gln Val Gly
 130 135 140 143

<210> 853
 <211> 154
 <212>Amino acid
 <213> Homo sapiens

<400> 853
 Asn Cys Arg Thr Tyr Val Phe Cys Phe Val Leu Val Phe Arg Leu Leu
 1 5 10 15
 Phe Leu His Gly Ser Pro Leu Ser Pro Ser Leu Leu Ser Arg Ala Gly
 20 25 30
 Leu Leu Cys Gly Ser Ala Glu Asn Pro Thr Pro Phe Leu Cys Gly Ile
 35 40 45
 Thr Met Ala Ala Gly Val Ser Leu Leu Ala Leu Val Val Arg Val Ile
 50 55 60
 Leu Ser Thr Ala Ile Leu Cys Pro Ser Gly Ala Ser Arg Arg Gln Arg
 65 70 75 80
 Ser Ser Glu Val Glu Trp Gly Thr Asp Ser Gly Val Tyr Arg Leu Tyr

	85	90	95
Cys Trp Arg Val Gly Phe Leu Gly Pro Gly Gly Glu Leu Arg Leu Gly			
100	105	110	
Leu Ser Glu Ala Arg Gly Gly Arg Val Trp Gly Arg Gly Glu Lys Arg			
115	120	125	
Cys Arg Val Trp Ala Val Arg Ser Leu Arg Lys Gly Phe Gly Ser Val			
130	135	140	
Ala Ala Leu Arg Arg Gly Ile Trp Ala Gly			
145	150	154	

<210> 854
<211> 90
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(90)
<223> X = any amino acid or stop code

	<400> 854		
Val Thr Pro Thr Pro Pro Gln Tyr Tyr Thr Cys Ser Cys Val Leu Gly			
1	5	10	15
Phe Ile Ala Cys Ser Ile Phe Leu Gln Met Ser Leu Lys Pro Lys Val			
20	25	30	
Met Leu Leu Thr Val Ala Leu Val Ala Cys Leu Val Leu Phe Asn Leu			
35	40	45	
Ser Gln Cys Trp Gln Arg Asp Cys Cys Ser Gln Gly Leu Gly Asn Leu			
50	55	60	
Thr Glu Pro Ser Gly Thr Asn Arg Xaa Gly Pro Ala Ala Val Ser Trp			
65	70	75	80
Ala Ser Leu Pro Ala Pro Ser Ser Cys Arg			
85	90		

<210> 855
<211> 61
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(61)
<223> X = any amino acid or stop code

	<400> 855		
Gly Lys Ala Gly Gly Ala Ala Gly Leu Phe Ala Lys Gln Val Gln Lys			
1	5	10	15
Lys Phe Ser Arg Ala Gln Glu Lys Xaa Thr Arg Arg Phe Gly Lys Thr			
20	25	30	
Cys Gln Pro Glu Glu Arg Ala Arg Glu Glu Arg Gln Glu Gly Pro Glu			
35	40	45	
Ile Glu Phe Gly Phe Ser Phe Phe Ser Leu Ser Leu Tyr			
50	55	60	61

<210> 856
 <211> 779
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(779)
 <223> X = any amino acid or stop code

<400> 856
 Pro Lys Arg Leu Phe Leu Phe Gln Asp Val Asn Thr Leu Gln Gly Gly
 1. 5 10 15
 Gly Gln Pro Val Val Thr Pro Ser Val Gln Pro Ser Leu Gln Pro Ala
 20 25 30
 His Pro Ala Leu Pro Gln Met Thr Ser Gln Ala Pro Gln Pro Ser Val
 35 40 45
 Thr Gly Leu Gln Ala Pro Ser Ala Ala Leu Met Gln Val Ser Ser Leu
 50 55 60
 Asp Ser His Ser Ala Val Ser Gly Asn Ala Gln Ser Phe Gln Pro Tyr
 65 70 75 80
 Ala Gly Met Gln Ala Tyr Ala Tyr Pro Gln Ala Ser Ala Val Thr Ser
 85 90 95
 Gln Leu Gln Pro Val Arg Pro Leu Tyr Pro Ala Pro Leu Ser Gln Pro
 100 105 110
 Pro His Phe Gln Gly Ser Gly Asp Met Ala Ser Phe Leu Met Thr Glu
 115 120 125
 Ala Arg Gln His Asn Thr Glu Ile Arg Met Ala Val Ser Lys Val Ala
 130 135 140
 Asp Lys Met Asp His Leu Met Thr Lys Val Glu Glu Leu Gln Lys His
 145 150 155 160
 Ser Ala Gly Asn Ser Met Leu Ile Pro Ser Met Ser Val Thr Met Glu
 165 170 175
 Thr Ser Met Ile Met Ser Asn Ile Gln Arg Ile Ile Gln Glu Asn Glu
 180 185 190
 Arg Leu Lys Gln Glu Ile Leu Glu Lys Ser Asn Arg Ile Glu Glu Gln
 195 200 205
 Asn Asp Lys Ile Ser Glu Leu Ile Glu Arg Asn Gln Arg Tyr Val Glu
 210 215 220
 Gln Ser Asn Leu Met Met Glu Lys Arg Asn Asn Ser Leu Gln Thr Ala
 225 230 235 240
 Thr Glu Asn Thr Gln Ala Arg Val Leu His Ala Glu Gln Glu Lys Ala
 245 250 255
 Lys Val Thr Glu Glu Leu Ala Ala Thr Ala Gln Val Ser His Leu
 260 265 270
 Gln Leu Lys Met Thr Ala His Gln Lys Lys Glu Thr Glu Leu Gln Met
 275 280 285
 Gln Leu Thr Glu Ser Leu Lys Glu Thr Asp Leu Leu Arg Gly Gln Leu
 290 295 300
 Thr Lys Val Gln Ala Lys Leu Ser Glu Leu Gln Glu Thr Ser Glu Gln
 305 310 315 320
 Ala Gln Ser Lys Phe Lys Ser Glu Lys Gln Asn Arg Lys Gln Leu Glu
 325 330 335
 Leu Lys Val Thr Ser Leu Glu Glu Leu Thr Asp Leu Arg Val Glu
 340 345 350
 Lys Glu Ser Leu Glu Lys Asn Leu Ser Glu Arg Lys Lys Ser Ala
 355 360 365
 Gln Glu Arg Ser Gln Ala Glu Glu Glu Ile Asp Glu Ile Arg Lys Ser
 370 375 380

Tyr Gln Glu Glu Leu Asp Lys Leu Arg Gln Leu Leu Lys Lys Thr Arg
 385 390 395 400
 Val Ser Thr Asp Gln Ala Ala Ala Glu Gln Leu Ser Leu Val Gln Ala
 405 410 415
 Glu Leu Gln Thr Gln Trp Glu Ala Lys Cys Glu His Leu Leu Ala Ser
 420 425 430
 Ala Lys Asp Glu His Leu Gln Gln Tyr Gln Glu Val Cys Ala Gln Arg
 435 440 445
 Asp Ala Tyr Gln Gln Lys Leu Val Gln Leu Glu Lys Ser Val Cys
 450 455 460
 Phe Ala Cys Leu Ala Leu Gln Ala Gln Ile Thr Ala Leu Thr Lys Gln
 465 470 475 480
 Asn Glu Gln His Ile Lys Glu Leu Glu Lys Asn Lys Ser Gln Met Ser
 485 490 495
 Gly Val Glu Ala Ala Ala Ser Asp Pro Ser Glu Lys Val Lys Lys Ile
 500 505 510
 Met Asn Gln Val Phe Gln Ser Leu Arg Arg Glu Phe Glu Leu Glu Glu
 515 520 525
 Ser Tyr Asn Gly Arg Thr Ile Leu Gly Thr Ile Met Asn Thr Ile Lys
 530 535 540
 Met Val Thr Leu Gln Leu Leu Asn Gln Gln Glu Gln Glu Lys Glu Glu
 545 550 555 560
 Ser Ser Ser Glu Glu Glu Glu Lys Ala Glu Glu Arg Pro Arg Arg
 565 570 575
 Pro Ser Gln Glu Gln Ser Ala Ser Ala Ser Ser Gly Gln Pro Gln Ala
 580 585 590
 Pro Leu Asn Arg Glu Arg Pro Glu Ser Pro Met Val Pro Ser Glu Gln
 595 600 605
 Val Val Glu Glu Ala Val Pro Leu Pro Pro Gln Ala Leu Thr Thr Ser
 610 615 620
 Gln Asp Gly His Arg Arg Lys Gly Asp Ser Glu Ala Glu Ala Leu Ser
 625 630 635 640
 Glu Ile Lys Asp Gly Ser Leu Pro Pro Glu Leu Ser Cys Ile Pro Ser
 645 650 655
 His Arg Val Leu Gly Pro Pro Thr Ser Ile Pro Pro Glu Pro Leu Gly
 660 665 670
 Pro Val Ser Met Asp Ser Glu Cys Glu Glu Ser Leu Ala Ala Ser Pro
 675 680 685
 Met Ala Ala Lys Pro Asp Asn Pro Ser Gly Lys Val Cys Val Gln Gly
 690 695 700
 Lys Xaa Ala Pro Asp Gly Pro Thr Tyr Lys Glu Ser Ser Thr Arg Leu
 705 710 715 720
 Phe Pro Gly Phe Gln Asp Pro Glu Glu Gly Asp Pro Leu Ala Leu Gly
 725 730 735
 Leu Glu Ser Pro Gly Glu Pro Gln Pro Pro Gln Leu Gln Gly Lys Val
 740 745 750
 Asp Val His Xaa Val Pro Pro Val Pro His Lys Gly Ala Phe Gln Glu
 755 760 765
 Gln Glu Gly Arg Phe Pro Gln Phe Cys Arg Glu
 770 775 779

<210> 857
 <211> 510
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(510)
 <223> X = any amino acid or stop code

<400> 857

Ser Glu Thr Ala Gln Gln Ile Ile Asp Arg Leu Arg Val Lys Leu Ala
 1 5 10 15
 Lys Glu Pro Gly Ala Asn Leu Phe Leu Met Ala Val Gln Asp Ile Arg
 20 25 30
 Val Gly Gly Arg Gln Ser Asn Ala Ser Tyr Gln Tyr Thr Leu Leu Ser
 35 40 45
 Asp Asp Leu Ala Ala Leu Arg Glu Trp Glu Pro Lys Ile Arg Lys Lys
 50 55 60
 Leu Ala Thr Leu Pro Glu Leu Ala Asp Val Asn Ser Asp Gln Gln Asp
 65 70 75 80
 Asn Gly Ala Glu Met Asn Leu Val Tyr Asp Arg Asp Thr Met Ala Arg
 85 90 95
 Leu Gly Ile Asp Val Gln Ala Ala Asn Ser Leu Leu Asn Asn Ala Phe
 100 105 110
 Gly Gln Arg Gln Ile Ser Thr Ile Tyr Gln Pro Met Asn Gln Tyr Lys
 115 120 125
 Val Val Met Glu Val Asp Pro Arg Tyr Thr Gln Asp Ile Ser Ala Leu
 130 135 140
 Glu Lys Met Phe Val Ile Asn Asn Glu Gly Lys Ala Ile Pro Leu Ser
 145 150 155 160
 Tyr Phe Ala Lys Trp Gln Pro Ala Asn Ala Pro Leu Ser Val Asn His
 165 170 175
 Gln Gly Leu Ser Ala Ala Leu Thr Ile Ser Phe Asn Leu Pro Thr Gly
 180 185 190
 Lys Ser Leu Ser Asp Ala Ser Ala Ala Ile Asp Arg Ala Met Ser Gln □
 195 200 205
 Leu Gly Val Pro Ser Thr Val Arg Gly Ser Phe Ala Gly Pro Ala Gln
 210 215 220
 Val Phe Gln Glu Thr Met Asn Ser Gln Val Ile Leu Ile Ile Ala Ala
 225 230 235 240
 Ile Ala Thr Val Tyr Ile Val Leu Gly Ile Pro Tyr Glu Arg Tyr Val
 245 250 255
 His Pro Pro Thr Ile Leu Leu Xaa Arg Pro Gly Ala Asn Leu Phe Leu
 260 265 270
 Met Ala Val Gln Asp Ile Arg Val Gly Gly Arg Gln Ser Asn Ala Ser
 275 280 285
 Tyr Gln Tyr Thr Leu Leu Ser Asp Asp Leu Ala Ala Leu Arg Glu Trp
 290 295 300
 Glu Pro Lys Ile Arg Lys Lys Leu Ala Thr Leu Pro Glu Leu Ala Asp
 305 310 315 320
 Val Asn Ser Asp Gln Gln Asp Asn Gly Ala Glu Met Asn Leu Val Tyr
 325 330 335
 Asp Arg Asp Thr Met Ala Arg Leu Gly Ile Asp Val Gln Ala Ala Asn
 340 345 350
 Ser Leu Leu Asn Asn Ala Phe Gly Gln Arg Gln Ile Ser Thr Ile Tyr
 355 360 365
 Gln Pro Met Asn Gln Tyr Lys Val Val Met Glu Val Asp Pro Arg Tyr
 370 375 380
 Thr Gln Asp Ile Ser Ala Leu Glu Lys Met Phe Val Ile Asn Asn Glu
 385 390 395 400
 Gly Lys Ala Ile Pro Leu Ser Tyr Phe Ala Lys Trp Gln Pro Ala Asn
 405 410 415
 Ala Pro Leu Ser Val Asn His Gln Gly Leu Ser Ala Ala Leu Thr Ile
 420 425 430
 Ser Phe Asn Leu Pro Thr Gly Lys Ser Leu Ser Asp Ala Ser Ala Ala
 435 440 445
 Ile Asp Arg Ala Met Ser Gln Leu Gly Val Pro Ser Thr Val Arg Gly
 450 455 460
 Ser Phe Ala Gly Pro Ala Gln Val Phe Gln Glu Thr Met Asn Ser Gln
 465 470 475 480
 Val Ile Leu Ile Ile Ala Ala Ile Ala Thr Val Tyr Ile Val Leu Gly

485	490	495
Ile Pro Tyr Glu Arg Tyr Val His Pro Pro Thr Ile Leu Leu		
500	505	510

<210> 858
<211> 137
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> X = any amino acid or stop code

<400> 858
Ile Ile Thr Pro Asp Ala Met Gly Cys Gln Lys Asp Ile Ala Glu Lys
1 5 10 15
Ile Gln Lys Gln Gly Gly Asp Tyr Leu Phe Ala Val Lys Gly Asn Gln
20 25 30
Gly Arg Leu Asn Lys Ala Phe Glu Glu Lys Phe Pro Leu Lys Glu Leu
35 40 45
Asn Asn Pro Glu His Asp Ser Tyr Ala Ile Ser Glu Lys Ser His Gly
50 55 60
Arg Glu Glu Ile Arg Leu His Ile Val Cys Asp Val Pro Asp Glu Leu
65 70 75 80
Ile Asp Phe Thr Phe Glu Trp Lys Gly Leu Lys Lys Leu Cys Val Ala
85 90 95
Val Ser Phe Arg Ser Ile Ile Ala Glu Gln Lys Lys Glu Pro Glu Met
100 105 110
Thr Val Arg Tyr Asn Ile Ser Xaa Leu Gly Ile Ala Gly Asp Ile Ser
115 120 125
Val Thr Ala Ile Ser Gly Thr Asp Asp
130 135 137

<210> 859
<211> 123
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(123)
<223> X = any amino acid or stop code

<400> 859
His Tyr Leu Lys Met Leu Thr Gln Ala Arg Arg Glu Val Ile Ile Ala
1 5 10 15
Asn Ala Tyr Phe Phe Pro Gly Tyr Arg Phe Leu His Ala Leu Arg Lys
20 25 30
Ala Ala Arg Arg Gly Val Arg Ile Lys Leu Ile Ile Gln Gly Glu Pro
35 40 45
Asp Met Pro Ile Val Arg Val Gly Ala Arg Leu Leu Tyr Asn Tyr Leu
50 55 60
Val Lys Gly Gly Val Gln Val Phe Glu Tyr Arg Arg Pro Leu His

65	70	75	80
Gly Lys Val Ala Leu Met Asp Asp His Trp Ala Thr Val Gly Ser Ser			
85	90	95	
Asn Leu His Pro Val Ser Xaa Ser Gly Asn Leu Gln Ala Asn Val Ile			
100	105	110	
Leu His Val Leu Arg Val Pro Thr Leu Asn Pro			
115	120	123	

<210> 860
<211> 190
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(190)
<223> X = any amino acid or stop code

<400> 860
Cys Trp Ser Lys Ser Ala Ala Phe His Ser Lys Leu Ala Thr Thr Cys
1 5 10 15
Ile Val Pro Val Cys Ala Ala Gly His Cys Ser Ala Ala Trp Xaa Ser
20 25 30
Leu Arg Pro Ile Glu Ala Leu Ala Lys Glu Val Arg Glu Leu Lys Xaa
35 40 45
His Thr Arg Xaa Leu Leu Asn Pro Ala Thr Thr Arg Glu Leu Thr Ser
50 55 60
Leu Gly Arg Asn Leu Asn Arg Leu Leu Lys Ser Glu Arg Glu Arg Tyr
65 70 75 80
Asp Lys Tyr Arg Thr Thr Leu Thr Asp Leu Thr His Ser Leu Lys Thr
85 90 95
Pro Leu Ala Val Leu Gln Ser Thr Leu Arg Ser Leu Arg Ser Glu Lys
100 105 110
Met Ser Val Ser Asp Ala Glu Pro Val Met Leu Glu Gln Ile Ser Arg
115 120 125
Ile Ser Gln Gln Ile Gly Tyr Tyr Leu His Arg Ala Ser Met Arg Gly
130 135 140
Gly Thr Leu Leu Ser Arg Glu Leu His Pro Val Ala Pro Leu Leu Asp
145 150 155 160
Asn Leu Thr Ser Ala Leu Ile Lys Gly Lys Pro Arg Lys Gly Gly Asn
165 170 175
Val Thr Val Phe Pro Phe Thr Ala Met Tyr Arg Asp Gly His
180 185 190

<210> 861
<211> 241
<212>Amino acid
<213> Homo sapiens

<400> 861
Gly Asn Thr Val Met Phe Gln His Leu Met Gln Lys Arg Lys His Thr
1 5 10 15
Gln Trp Thr Tyr Gly Pro Leu Thr Ser Thr Leu Tyr Asp Leu Thr Glu
20 25 30

Ile Asp Ser Ser Gly Asp Glu Gln Ser Leu Leu Glu Leu Ile Ile Thr
 35 40 45
 Thr Lys Lys Arg Glu Ala Arg Gln Ile Leu Asp Gln Thr Pro Val Lys
 50 55 60
 Glu Leu Val Ser Leu Lys Trp Lys Arg Tyr Gly Arg Pro Tyr Phe Cys
 65 70 75 80
 Met Leu Gly Ala Ile Tyr Leu Leu Tyr Ile Ile Cys Phe Thr Met Cys
 85 90 95
 Cys Ile Tyr Arg Pro Leu Lys Pro Arg Thr Asn Asn Arg Thr Ser Pro
 100 105 110
 Arg Asp Asn Thr Leu Leu Gln Gln Lys Leu Leu Gln Glu Ala Tyr Met
 115 120 125
 Thr Pro Lys Asp Asp Ile Arg Leu Val Gly Glu Leu Val Thr Val Ile
 130 135 140
 Gly Ala Ile Ile Ile Leu Leu Val Glu Val Pro Asp Ile Phe Arg Met
 145 150 155 160
 Gly Val Thr Arg Phe Phe Gly Gln Thr Ile Leu Gly Gly Pro Phe His
 165 170 175
 Val Leu Ile Ile Thr Tyr Ala Phe Met Val Leu Val Thr Met Val Met
 180 185 190
 Arg Leu Ile Ser Ala Ser Gly Glu Val Val Pro Met Ser Phe Ala Leu
 195 200 205
 Val Leu Gly Trp Cys Asn Val Met Tyr Phe Ala Arg Gly Phe Gln Met
 210 215 220
 Leu Gly Pro Phe Thr Ile Met Ile Gln Lys Met Ile Phe Gly Asp Leu
 225 230 235 240
 Met
 241

<210> 862
<211> 45
<212>Amino acid
<213> Homo sapiens

<400> 862
Glu Lys Ala Ala Ala Ala Asn Ile Asp Glu Val Gln Lys Ser Asp Val
 1 5 10 15
 Ser Ser Thr Gly Gln Gly Val Ile Asp Lys Asp Ala Leu Gly Pro Met
 20 25 30
 Met Leu Glu Val Ala His Leu His Phe Ser Ala Val Phe
 35 40 45

<210> 863
<211> 120
<212>Amino acid
<213> Homo sapiens

<400> 863
Leu Glu Val Pro Ser Glu Val Thr Pro Leu Gly Phe Ala Met Gln Ala
 1 5 10 15
 Thr Lys Thr Leu Leu Leu Arg Thr Cys Cys Leu Gln Glu Phe Asn Ile
 20 25 30
 Met Glu Lys Asn Lys Gly Trp Ala Leu Leu Gly Gly Lys Asp Gly His
 35 40 45

Leu Gln Gly Leu Phe Leu Leu Ala Asn Ala Leu Leu Glu Arg Asn Gln
 50 55 60
 Leu Leu Ala Gln Lys Val Met Tyr Leu Leu Val Pro Leu Leu Asn Arg
 65 70 75 80
 Gly Asn Asp Lys His Lys Leu Thr Ser Ala Gly Phe Phe Val Glu Leu
 85 90 95
 Leu Arg Ser Pro Val Ala Lys Arg Leu Pro Ser Ile Tyr Ser Val Ala
 100 105 110
 Arg Phe Lys Asp Trp Leu Gln Asp
 115 120

<210> 864
<211> 124
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> X = any amino acid or stop code

<400> 864
Arg Pro Ala Pro Ala Pro Ser Ala Ala Pro Glu Glu Ala Pro Ser Pro
 1 5 10 15
Gly Val Lys Gly Arg Gly Met Ala Lys Arg Arg Val Pro Ala Pro Val
 20 25 30
Trp Gly Ala Gly Gly Thr Lys Ser Ala Arg Arg Ala Ala Ala
 35 40 45
Ala Pro Asp Thr Glu Arg Ser Glu Glu Gly Arg Ala Val Lys Glu
 50 55 60
Ala Tyr Pro Ser Ser Arg Gln Pro Pro Pro Pro Ser Pro Xaa Pro Leu
 65 70 75 80
Arg Cys Ala Arg Arg Cys His Pro Asn Leu Ala Pro Ser Met Pro Ile
 85 90 95
Ser Asn Arg Glu Gly Lys Gly Lys Arg Arg Glu Glu Lys Ile Arg Pro
 100 105 110
Leu Ser Pro Ala Ser Thr His Thr Ser Ala Arg Ala
 115 120 124

<210> 865
<211> 120
<212>Amino acid
<213> Homo sapiens

<400> 865
Leu Gln Gly Val His Gly Ser Ser Ser Thr Phe Cys Ser Ser Leu Ser
 1 5 10 15
Ser Asp Phe Asp Pro Leu Glu Tyr Cys Ser Pro Lys Gly Asp Pro Gln
 20 25 30
Arg Val Asp Met Gln Pro Ser Val Thr Ser Arg Pro Arg Ser Leu Asp
 35 40 45
Ser Glu Val Pro Thr Gly Glu Thr Gln Val Ser Ser His Val His Tyr
 50 55 60
His Arg His Arg His His His Tyr Lys Lys Arg Phe Gln Arg His Gly

65	70	75	80
Arg Lys Pro Gly Pro Glu Thr Gly Val Pro Gln Ser Arg Pro Pro Ile			
85	90	95	
Pro Arg Thr Gln Pro Gln Pro Glu Pro Pro Ser Pro Asp Gln Gln Val			
100	105	110	
Thr Arg Ser Asn Ser Ala Ala Pro			
115	120		

<210> 866
<211> 82
<212>Amino acid
<213> Homo sapiens

<400> 866			
Met Ala Asp Pro Asp Pro Arg Tyr Pro Arg Ser Ser Ile Glu Asp Asp			
1	5	10	15
Phe Asn Tyr Gly Ser Ser Glu Ala Ser Asp Thr Val His Ile Arg Met			
20	25	30	
Ala Phe Leu Arg Arg Val Tyr Ser Ile Leu Ser Leu Gln Asp Leu Leu			
35	40	45	
Ala Thr Val Thr Ser Thr Asp Asn Leu Ala Phe Glu Asp Gly Arg Thr			
50	55	60	
Asp Trp Leu Gln Arg Pro Asp Cys Val Ser Phe Lys Ile His Val Leu			
65	70	75	80
Pro Met			
82			

<210> 867
<211> 60
<212>Amino acid
<213> Homo sapiens

<400> 867			
Ala Gly Met Ser Val Val Val Val Pro Pro Ile Gly Ser Ser Tyr Leu			
1	5	10	15
Gly Leu Ile Ser Gln Glu His Phe Pro Asn Glu Phe Thr Ser Gly Asp			
20	25	30	
Gly Lys Lys Ala His Gln Asp Phe Gly Tyr Phe Tyr Gly Ser Ser Tyr			
35	40	45	
Val Ala Ala Ser Asp Ser Ser Arg Thr Pro Gly Leu			
50	55	60	

<210> 868
<211> 78
<212>Amino acid
<213> Homo sapiens

<400> 868			
Val Ala Ala Ala Leu Thr Leu Phe Pro Gln Gln Leu Ser Pro Pro Gly			

1	5	10	15												
Ala	Trp	Gly	Leu	Gly	Leu	Ser	Ala	Cys	Phe	Cys	Cys	Ala	Glu	Gly	Phe
20	25	30													
Ser	Arg	Leu	Asn	Gln	Gln	Val	Leu	Ser	Ser	Ser	Leu	Leu	Leu	Leu	Ser
35	40	45													
Arg	Thr	Asn	Cys	Pro	Cys	Lys	Tyr	Ser	Phe	Leu	Asp	Asn	Leu	Lys	Lys
50	55	60													
Leu	Thr	Pro	Arg	Arg	Asp	Val	Pro	Thr	Tyr	Pro	Lys	Val	Arg		
65	70	75	78												

<210> 869
<211> 119
<212>Amino acid
<213> Homo sapiens

1	5	10	15												
Arg	Asp	Asp	Ala	Cys	Leu	Tyr	Ser	Pro	Ala	Ser	Ala	Pro	Glu	Val	Ile
20	25	30													
Thr	Val	Gly	Ala	Thr	Asn	Ala	Gln	Asp	Gln	Pro	Val	Thr	Leu	Gly	Thr
35	40	45													
Leu	Gly	Thr	Asn	Phe	Gly	Arg	Cys	Val	Asp	Leu	Phe	Ala	Pro	Gly	Glu
50	55	60													
Asp	Ile	Ile	Gly	Ala	Ser	Ser	Asp	Cys	Ser	Thr	Cys	Phe	Val	Ser	Gln
65	70	75	80												
Ser	Gly	Thr	Ser	Gln	Ala	Ala	Ala	His	Val	Ala	Gly	Ile	Ala	Ala	Met
85	90	95													
Met	Leu	Ser	Ala	Glu	Pro	Glu	Leu	Thr	Leu	Ala	Glu	Leu	Arg	Gln	Arg
100	105	110													
Glu	Asp	Gln	Arg	Val	Leu	Thr									
115	119														

<210> 870
<211> 34
<212>Amino acid
<213> Homo sapiens

1	5	10	15												
Leu	Glu	Ile	Lys	Phe	Leu	Glu	Gln	Val	Asp	Gln	Phe	Tyr	Asp	Asp	Asn
20	25	30													
Phe	Pro	Met	Glu	Ile	Arg	His	Leu	Leu	Ala	Gln	Trp	Ile	Glu	Asn	Gln
Asp	Trp														
34															

<210> 871
<211> 154
<212>Amino acid
<213> Homo sapiens

<400> 871

Glu	Ala	Gly	Asp	Ala	Asp	Glu	Asp	Glu	Ala	Asp	Ala	Asn	Ser	Ser	Asp
1				5				10							15
Cys	Glu	Pro	Glu	Gly	Pro	Val	Glu	Ala	Glu	Glu	Pro	Pro	Gln	Glu	Asp
				20				25							30
Ser	Ser	Ser	Gln	Ser	Asp	Ser	Val	Glu	Asp	Arg	Ser	Glu	Asp	Glu	Glu
				35				40							45
Asp	Glu	His	Ser	Glu	Glu	Glu	Thr	Ser	Gly	Ser	Ser	Ala	Ser	Glu	
				50				55							60
Glu	Ser	Glu	Ser	Glu	Glu	Ser	Glu	Asp	Ala	Gln	Ser	Gln	Ser	Gln	Ala
	65			70					75						80
Asp	Glu	Glu	Glu	Asp	Asp	Asp	Phe	Gly	Val	Glu	Tyr	Leu	Leu	Ala	
				85				90							95
Arg	Asp	Glu	Glu	Gln	Ser	Glu	Ala	Asp	Ala	Gly	Ser	Gly	Pro	Pro	Thr
				100				105							110
Pro	Gly	Pro	Thr	Thr	Leu	Gly	Pro	Lys	Lys	Glu	Ile	Thr	Asp	Ile	Ala
				115				120							125
Ala	Ala	Ala	Glu	Ser	Leu	Gln	Pro	Lys	Gly	Tyr	Thr	Leu	Ala	Thr	Thr
				130				135							140
Gln	Val	Lys	Thr	Pro	Ile	Pro	Leu	Leu	Leu						
	145				150				154						

<210> 872
<211> 118
<212>Amino acid
<213> Homo sapiens

<400> 872

Leu	Lys	Asn	Leu	Arg	Glu	Leu	Leu	Glu	Asp	Asn	Gln	Leu	Pro	Gln	
1					5				10						15
Ile	Pro	Ser	Gly	Leu	Pro	Glu	Ser	Leu	Thr	Glu	Leu	Ser	Leu	Ile	Gln
					20				25						30
Thr	Asn	Ile	Tyr	Asn	Ile	Thr	Lys	Glu	Gly	Ile	Ser	Arg	Leu	Ile	Asn
					35			40							45
Leu	Lys	Asn	Leu	Tyr	Leu	Ala	Trp	Asn	Cys	Tyr	Phe	Asn	Lys	Val	Cys
					50			55							60
Glu	Lys	Thr	Asn	Ile	Glu	Asp	Gly	Val	Phe	Glu	Thr	Leu	Thr	Asn	Leu
					65			70							80
Glu	Leu	Leu	Ser	Leu	Ser	Phe	Asn	Ser	Leu	Ser	His	Val	Pro	Pro	Lys
					85			90							95
Leu	Pro	Ser	Ser	Leu	Arg	Lys	Leu	Phe	Leu	Ser	Asn	Thr	Gln	Ile	Lys
					100			105							110
Tyr	Ile	Ser	Glu	Glu	Asp										
	115			118											

<210> 873
<211> 42
<212>Amino acid
<213> Homo sapiens

<400> 873
Met Arg Ser Gln Ala Leu Gly Gln Ser Ala Pro Ser Leu Thr Ala Ser

1	5	10	15												
Leu	Lys	Glu	Leu	Ser	Leu	Pro	Arg	Arg	Gly	Ser	Phe	Pro	Val	Cys	Pro
			20		25									30	
Asn	Ala	Gly	Arg	Thr	Ser	Pro	Leu	Gly	*						
			35		40	41									

<210> 874
<211> 70
<212>Amino acid
<213> Homo sapiens

1	5	10	15												
Leu	Leu	Cys	Val	Cys	Leu	Pro	Val	Gly	Ala	Cys	Pro	Ser	Leu	Ser	Leu
			20		25									30	
Ser	Arg	Thr	Pro	Ser	Pro	Leu	Leu	His	Ser	Val	Pro	Ser	Glu	Ile	Val
			35		40								45		
Phe	Asp	Phe	Glu	Pro	Gly	Pro	Val	Phe	Arg	Gly	Ser	Trp	Ala	Leu	Leu
			50		55								60		
Ser	Trp	Ser	Thr	Arg	Pro										
			65		70										

<210> 875
<211> 41
<212>Amino acid
<213> Homo sapiens

1	5	10	15												
Gln	Thr	Pro	Asp	Lys	Lys	Gln	Asn	Asp	Gln	Arg	Asn	Arg	Lys	Arg	Lys
				20		25							30		
Ala	Glu	Pro	Tyr	Glu	Thr	Ser	Gln	Gly	Ser	Asn	Asn	Phe	Val	Ser	Thr
Lys	Val	Leu	Asn	Ser	Asn	Val	Leu	Arg							
			35			40	41								

<210> 876
<211> 139
<212>Amino acid
<213> Homo sapiens

1	5	10	15												
Tyr	Phe	Ile	Ile	Lys	Gly	Met	Val	Glu	Leu	Val	Pro	Ala	Ser	Asp	Thr
				20		25							30		
Leu	Arg	Lys	Ile	Gln	Val	Glu	Tyr	Gly	Val	Thr	Gly	Ser	Phe	Lys	Asp
Lys	Pro	Leu	Ala	Glu	Trp	Leu	Arg	Lys	Tyr	Asn	Pro	Ser	Glu	Glu	
			35			40							45		
Tyr	Glu	Lys	Ala	Ser	Glu	Asn	Phe	Ile	Tyr	Ser	Cys	Ala	Gly	Cys	Cys

50	55	60
Val Ala Thr Tyr Val Leu Gly Ile Cys Asp Arg His Asn Asp Asn Ile		
65	70	75
Met Leu Arg Ser Thr Gly His Met Phe His Ile Asp Phe Gly Lys Phe		80
85	90	95
Leu Gly His Ala Gln Met Phe Gly Ser Phe Lys Arg Asp Arg Ala Pro		
100	105	110
Phe Val Leu Thr Ser Asp Met Ala Tyr Val Ile Asn Gly Gly Glu Lys		
115	120	125
Pro Thr Ile Arg Phe Gln Leu Phe Val Asp Leu		
130	135	139

<210> 877
<211> 350
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(350)
<223> X = any amino acid or stop code

<400> 877		
Pro Ser Pro Leu Pro Ser Leu Ser Leu Pro Pro Pro Val Ala Pro Gly		
1	5	10
Gly Gln Glu Ser Pro Ser Pro His Thr Ala Glu Val Glu Ser Glu Ala		15
20	25	30
Ser Pro Pro Pro Ala Arg Pro Leu Pro Gly Glu Ala Arg Leu Ala Pro		
35	40	45
Ile Ser Glu Glu Gly Lys Pro Gln Leu Val Gly Arg Phe Gln Val Thr		
50	55	60
Ser Ser Lys Asn Arg Leu Ser Leu Phe Pro Cys Ser Gln His Pro Pro		
65	70	75
Leu Ser Leu Val Leu Gln Asn Leu Gln Pro Leu Ser Ser Leu Gln Arg		80
85	90	95
Ala Gln Ile Gln Arg Thr Val Pro Gly Gly Pro Glu Thr Arg Glu		
100	105	110
Ala Leu Ala Glu Ser Asp Arg Ala Ala Glu Gly Leu Gly Ala Gly Val		
115	120	125
Glu Glu Glu Gly Asp Asp Gly Lys Glu Pro Gln Val Gly Gly Ser Pro		
130	135	140
Gln Pro Leu Ser His Pro Ser Pro Val Trp Met Asn Tyr Ser Tyr Ser		
145	150	155
Ser Leu Cys Leu Ser Ser Glu Glu Ser Glu Ser Ser Gly Glu Asp Glu		160
165	170	175
Glu Phe Trp Ala Glu Leu Gln Ser Leu Arg Gln Lys His Leu Ser Glu		
180	185	190
Val Glu Thr Leu Gln Thr Leu Gln Lys Lys Glu Ile Glu Asp Leu Tyr		
195	200	205
Ser Arg Leu Gly Lys Gln Pro Pro Pro Gly Ile Val Ala Pro Ala Ala		
210	215	220
Met Leu Ser Ser Arg Gln Arg Arg Leu Ser Lys Gly Ser Phe Pro Thr		
225	230	235
Ser Arg Arg Asn Ser Leu Gln Arg Ser Glu Pro Pro Gly Pro Gly Glu		240
245	250	255
Thr Ala Gly His Pro Ala Ser Ile Phe Ser Leu Arg Pro Leu Ser Val		
260	265	270
Asp Cys Phe Ser Pro Gly Pro Gly Leu Pro Arg Gly Asn Arg Pro		
275	280	285

Pro Leu Pro Thr Ser Pro Phe Leu Thr Xaa Cys Ser Pro Ser Pro His
 290 295 300
 Thr Ala Glu Val Glu Ser Glu Ala Ser Pro Pro Pro Ala Arg Pro Leu
 305 310 315 320
 Pro Gly Glu Ala Arg Leu Ala Pro Ile Ser Glu Glu Gly Lys Pro Gln
 325 330 335
 Leu Val Gly Arg Phe Pro Ser Asp Phe Ile Gln Gly Thr Gly
 340 345 350

<210> 878
<211> 112
<212>Amino acid
<213> Homo sapiens

<400> 878
Arg Arg Phe Val Ser Gln Glu Thr Gly Asn Leu Tyr Ile Ala Lys Val
 1 5 10 15
 Glu Lys Ser Asp Val Gly Asn Tyr Thr Cys Val Val Thr Asn Thr Val
 20 25 30
 Thr Asn His Lys Val Leu Gly Pro Pro Thr Pro Leu Ile Leu Arg Asn
 35 40 45
 Asp Gly Val Met Gly Glu Tyr Glu Pro Lys Ile Glu Val Gln Phe Pro
 50 55 60
 Glu Thr Val Pro Thr Ala Lys Gly Ala Thr Val Lys Leu Glu Cys Phe
 65 70 75 80
 Ala Leu Gly Asn Pro Val Pro Thr Ile Ile Trp Arg Arg Ala Asp Gly
 85 90 95
 Lys Pro Ile Ala Arg Lys Ala Arg Arg His Lys Ser Arg Val Gly Lys
 100 105 110 112

<210> 879
<211> 282
<212>Amino acid
<213> Homo sapiens

<400> 879
Met Leu Arg Thr Cys Tyr Val Leu Cys Ser Gln Ala Gly Pro Arg Ser
 1 5 10 15
 Arg Gly Trp Gln Ser Leu Ser Phe Asp Gly Gly Ala Phe His Leu Lys
 20 25 30
 Gly Thr Gly Glu Leu Thr Arg Ala Leu Leu Val Leu Arg Leu Cys Ala
 35 40 45
 Trp Pro Pro Leu Val Thr His Gly Leu Leu Leu Gln Ala Trp Ser Arg
 50 55 60
 Arg Leu Leu Gly Ser Arg Leu Ser Gly Ala Phe Leu Arg Ala Ser Val
 65 70 75 80
 Tyr Gly Gln Phe Val Ala Gly Glu Thr Ala Glu Glu Val Lys Gly Cys
 85 90 95
 Val Gln Gln Leu Arg Thr Leu Ser Leu Arg Pro Leu Leu Ala Val Pro
 100 105 110
 Thr Glu Glu Glu Pro Asp Ser Ala Ala Lys Ser Gly Glu Ala Trp Tyr
 115 120 125

Glu Gly Asn Leu Gly Ala Met Leu Arg Cys Val Asp Leu Ser Arg Gly
 130 135 140
 Leu Leu Glu Pro Pro Ser Leu Ala Glu Ala Ser Leu Met Gln Leu Lys
 145 150 155 160
 Val Thr Ala Leu Thr Ser Thr Arg Leu Cys Lys Glu Leu Ala Ser Trp
 165 170 175
 Val Arg Arg Pro Gly Ala Ser Leu Glu Leu Ser Pro Glu Arg Leu Ala
 180 185 190
 Glu Ala Met Asp Ser Gly Gln Asn Leu Gln Val Ser Cys Leu Asn Ala
 195 200 205
 Glu Gln Asn Gln His Leu Arg Ala Ser Leu Ser Arg Leu His Arg Val
 210 215 220
 Ala Gln Tyr Ala Arg Ala Gln His Val Arg Leu Leu Val Asp Ala Glu
 225 230 235 240
 Tyr Thr Ser Leu Asn Pro Ala Leu Ser Leu Leu Val Ala Ala Leu Ala
 245 250 255
 Val Arg Trp Asn Ser Pro Gly Glu Gly Gly Pro Trp Val Trp Asn Thr
 260 265 270
 Tyr Gln Ala Cys Leu Lys Asp Thr Phe *
 275 280 281

<210> 880
 <211> 29
 <212>Amino acid
 <213> Homo sapiens

<400> 880
 Pro His His Arg Ile Ala Gly Asp Thr Ala Ile Asp Lys Asn Ile His
 1 5 10 15
 Gln Ser Val Ser Glu Gln Ile Lys Lys Asn Phe Ala Lys
 20 25 29

<210> 881
 <211> 45
 <212>Amino acid
 <213> Homo sapiens

<400> 881
 Gln Met Thr Asn Pro Phe Phe Leu Cys Phe Thr Thr Met Ile Ser Asn
 1 5 10 15
 Cys Asn Phe Phe Lys Gly Pro Pro Gly Pro Pro Gly Glu Lys Gly Asp
 20 25 30
 Arg Gly Pro Thr Gly Glu Ser Gly Pro Arg Gly Phe Pro
 35 40 45

<210> 882
 <211> 54
 <212>Amino acid
 <213> Homo sapiens

<400> 882
 Asn Gly Ile Ile Ala Ser Phe Phe Leu Arg Thr Phe Ile Phe Cys Phe
 1 5 10 15
 Ile His Ile Gln Gly Cys Gln Ala Gly Gln Thr Ile Lys Val Gln Val
 20 25 30
 Ser Phe Asp Leu Leu Ser Leu Met Phe Thr Phe Val Ser Pro Cys Thr
 35 40 45
 Asn Asp Leu Ile Ile His
 50 54

<210> 883
 <211> 479
 <212>Amino acid
 <213> Homo sapiens

<400> 883
 Lys Leu Ser Val Asn His Arg Arg Thr His Leu Thr Lys Leu Met His
 1 5 10 15
 Thr Val Glu Gln Ala Thr Leu Arg Ile Ser Gln Ser Phe Gln Lys Thr
 20 25 30
 Thr Glu Phe Asp Thr Asn Ser Thr Asp Ile Ala Leu Lys Val Phe Phe
 35 40 45
 Phe Asp Ser Tyr Asn Met Lys His Ile His Pro His Met Asn Met Asp
 50 55 60
 Gly Asp Tyr Ile Asn Ile Phe Pro Lys Arg Lys Ala Ala Tyr Asp Ser
 65 70 75 80
 Asn Gly Asn Val Ala Val Ala Phe Leu Tyr Tyr Lys Ser Ile Gly Pro
 85 90 95
 Leu Leu Ser Ser Asp Asn Phe Leu Leu Lys Pro Gln Asn Tyr Asp
 100 105 110
 Asn Ser Glu Glu Glu Arg Val Ile Ser Ser Val Ile Ser Val Ser
 115 120 125
 Met Ser Ser Asn Pro Pro Thr Leu Tyr Glu Leu Glu Lys Ile Thr Phe
 130 135 140
 Thr Leu Ser His Arg Lys Val Thr Asp Arg Tyr Arg Ser Leu Cys Ala
 145 150 155 160
 Phe Trp Asn Tyr Ser Pro Asp Thr Met Asn Gly Ser Trp Ser Ser Glu
 165 170 175
 Gly Cys Glu Leu Thr Tyr Ser Asn Glu Thr His Thr Ser Cys Arg Cys
 180 185 190
 Asn His Leu Thr His Phe Ala Ile Leu Met Ser Ser Gly Pro Ser Ile
 195 200 205
 Gly Ile Lys Asp Tyr Asn Ile Leu Thr Arg Ile Thr Gln Leu Gly Ile
 210 215 220
 Ile Ile Ser Leu Ile Cys Leu Ala Ile Cys Ile Phe Thr Phe Trp Phe
 225 230 235 240
 Phe Ser Glu Ile Gln Ser Thr Arg Thr Thr Ile His Lys Asn Leu Cys
 245 250 255
 Cys Ser Leu Phe Leu Ala Glu Leu Val Phe Leu Val Gly Ile Asn Thr
 260 265 270
 Asn Thr Asn Lys Leu Phe Cys Ser Ile Ile Ala Gly Leu Leu His Tyr
 275 280 285
 Phe Phe Leu Ala Ala Phe Ala Trp Met Cys Ile Glu Gly Ile His Leu
 290 295 300
 Tyr Leu Ile Val Val Gly Val Ile Tyr Asn Lys Gly Phe Leu His Lys
 305 310 315 320
 Asn Phe Tyr Ile Phe Gly Tyr Leu Ser Pro Ala Val Val Gly Phe
 325 330 335

Ser Ala Ala Leu Gly Tyr Arg Tyr Tyr Gly Thr Thr Lys Val Cys Trp
 340 345 350
 Leu Ser Thr Glu Asn Asn Phe Ile Trp Ser Phe Ile Gly Pro Ala Cys
 355 360 365
 Leu Ile Ile Leu Val Asn Leu Leu Ala Phe Gly Val Ile Ile Tyr Lys
 370 375 380
 Val Phe Arg His Thr Ala Gly Leu Lys Pro Glu Val Ser Cys Phe Glu
 385 390 395 400
 Asn Ile Arg Ser Cys Ala Arg Gly Ala Leu Ala Leu Phe Leu Leu
 405 410 415
 Gly Thr Thr Trp Ile Phe Gly Val Leu His Val Val His Ala Ser Val
 420 425 430
 Val Thr Ala Tyr Leu Phe Thr Val Ser Asn Ala Phe Gln Gly Met Phe
 435 440 445
 Ile Phe Leu Phe Leu Cys Val Leu Ser Arg Lys Ile Gln Glu Glu Tyr
 450 455 460
 Tyr Arg Leu Phe Lys Asn Val Pro Cys Cys Phe Gly Cys Leu Arg
 465 470 475 479

<210> 884
<211> 143
<212>Amino acid
<213> Homo sapiens

<400> 884
Gly Thr Arg Glu Ala Ala Pro Ser Arg Phe Met Phe Leu Leu Phe Leu
 1 5 10 15
Leu Thr Cys Glu Leu Ala Ala Glu Val Ala Ala Glu Val Glu Lys Ser
 20 25 30
Ser Asp Gly Pro Gly Ala Ala Gln Glu Pro Thr Trp Leu Thr Asp Val
 35 40 45
Pro Ala Ala Met Glu Phe Ile Ala Ala Thr Glu Val Ala Val Ile Gly
 50 55 60
Phe Phe Gln Asp Leu Glu Ile Pro Ala Val Pro Ile Leu His Ser Met
 65 70 75 80
Val Gln Lys Phe Pro Gly Val Ser Phe Gly Ile Ser Thr Asp Ser Glu
 85 90 95
Val Leu Thr His Tyr Asn Ile Thr Gly Asn Thr Ile Cys Leu Phe Arg
 100 105 110
Leu Val Asp Asn Glu Gln Leu Asn Leu Glu Asp Glu Asp Ile Glu Ser
 115 120 125
Ile Asp Ala Thr Lys Leu Ser Arg Phe Ile Glu Ile Asn Ser Leu
 130 135 140 143

<210> 885
<211> 52
<212>Amino acid
<213> Homo sapiens

<400> 885
Asp Glu Thr Ser Gly Leu Ile Val Arg Glu Val Ser Ile Glu Ile Ser
 1 5 10 15
Arg Gln Gln Val Glu Glu Leu Phe Gly Pro Glu Asp Tyr Trp Cys Gln
 20 25 30

Cys Val Ala Trp Ser Ser Ala Gly Thr Thr Lys Ser Arg Lys Ala Tyr
 35 40 45
 Val Arg Ile Ala
 50 52

<210> 886
 <211> 40
 <212>Amino acid
 <213> Homo sapiens

<400> 886
 Gly Thr Arg Ser Ile His Val Lys Leu Asp Val Gly Lys Leu His Thr
 1 5 10 15
 Gln Pro Lys Leu Ala Ala Gln Leu Arg Met Val Asp Asp Gly Ser Gly
 20 25 30
 Lys Val Glu Gly Leu Pro Gly Ile
 35 40

<210> 887
 <211> 177
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(177)
 <223> X = any amino acid or stop code

<400> 887
 Xaa Cys Gly Glu Asp Gly Ser Phe Thr Gln Val Gln Cys His Thr Tyr
 1 5 10 15
 Thr Gly Tyr Cys Trp Cys Val Thr Pro Asp Gly Lys Pro Ile Ser Gly
 20 25 30
 Ser Ser Val Gln Asn Lys Thr Pro Val Cys Ser Gly Ser Val Thr Asp
 35 40 45
 Lys Pro Leu Ser Gln Gly Asn Ser Gly Arg Lys Asp Asp Gly Ser Lys
 50 55 60
 Pro Thr Pro Thr Met Glu Thr Gln Pro Val Phe Asp Gly Asp Glu Ile
 65 70 75 80
 Thr Ala Pro Thr Leu Trp Ile Lys His Leu Val Ile Lys Asp Ser Lys
 85 90 95
 Leu Asn Asn Thr Asn Ile Arg Asn Ser Glu Lys Val Tyr Ser Cys Asp
 100 105 110
 Gln Glu Arg Gln Ser Ala Leu Glu Glu Ala Gln Gln Asn Pro Arg Glu
 115 120 125
 Gly Ile Val Ile Pro Glu Cys Ala Pro Gly Gly Leu Tyr Lys Pro Val
 130 135 140
 Gln Cys His Gln Ser Thr Gly Tyr Cys Trp Cys Val Leu Val Asp Thr
 145 150 155 160
 Gly Arg Pro Leu Pro Gly Thr Ser Thr Arg Tyr Val Met Pro Ser Xaa
 165 170 175 176

*

<210> 888
<211> 48
<212>Amino acid
<213> Homo sapiens

<400> 888
Val Leu Gln Leu Ile Lys Ser Gln Lys Phe Leu Asn Lys Leu Val Ile
1 5 10 15
Leu Val Glu Thr Glu Lys Glu Lys Ile Leu Arg Lys Glu Tyr Val Phe
20 25 30
Ala Asp Ser Lys Val Ser Asp Ser Lys Leu Leu Lys Trp Ala Val Arg
35 40 45 48

<210> 889
<211> 316
<212>Amino acid
<213> Homo sapiens

<400> 889
Arg Arg Leu Ser Leu Leu Asp Leu Gln Leu Gly Pro Leu Gly Arg Asp
1 5 10 15
Pro Pro Gln Glu Cys Ser Thr Phe Ser Pro Thr Asp Ser Gly Glu Glu
20 25 30
Pro Gly Gln Leu Ser Pro Gly Val Gln Phe Gln Arg Arg Gln Asn Gln
35 40 45
Arg Arg Phe Ser Met Glu Asp Val Ser Lys Arg Leu Ser Leu Pro Met
50 55 60
Asp Ile Arg Leu Pro Gln Glu Phe Leu Gln Lys Leu Gln Met Glu Ser
65 70 75 80
Pro Asp Leu Pro Lys Pro Leu Ser Arg Met Ser Arg Arg Ala Ser Leu
85 90 95
Ser Asp Ile Gly Phe Gly Lys Leu Glu Thr Tyr Val Lys Leu Asp Lys
100 105 110
Leu Gly Glu Gly Thr Tyr Ala Thr Val Phe Lys Gly Arg Ser Lys Leu
115 120 125
Thr Glu Asn Leu Val Ala Leu Lys Glu Ile Arg Leu Glu His Glu Glu
130 135 140
Gly Ala Pro Cys Thr Ala Ile Arg Glu Val Ser Leu Leu Lys Asn Leu
145 150 155 160
Lys His Ala Asn Ile Val Thr Leu His Asp Leu Ile His Thr Asp Arg
165 170 175
Ser Leu Thr Leu Val Phe Glu Tyr Leu Asp Ser Asp Leu Lys Gln Tyr
180 185 190
Leu Asp His Cys Gly Asn Leu Met Ser Met His Asn Val Lys Val Arg
195 200 205
Pro Arg Gly Gln Gly Pro Pro Ile Leu Ala Ala Thr Cys Pro Glu Ala
210 215 220
Gln Cys Gly Asp Pro Leu Ser Pro Pro Gly Ile Arg Leu Leu Arg Trp
225 230 235 240
Leu Lys Pro Ser His Val Gly Lys Arg Glu Arg Ala Met Pro Ser Thr
245 250 255
Ser Pro Gly Thr Gly Leu Ser Ala Leu Pro Gln Glu Gln Thr His Thr

260	265	270
Val Cys His Cys Leu Ala Val Gly Ile Lys Pro Thr Leu Asn Ser Glu		
275	280	285
His Gln Phe Pro Ser Leu Ser Asn Gly Ser Val Ser Tyr Leu Pro Lys		
290	295	300
Cys Arg Glu Ala Ser Gly Glu Ala Arg Gly Tyr Glu		
305	310	315 316

<210> 890
<211> 34
<212>Amino acid
<213> Homo sapiens

<400> 890		
His Glu Arg His Glu Pro Ser Pro Thr Ala Leu Ala Phe Gly Asp His		
1	5	10
Pro Ile Val Gln Pro Lys Gln Leu Ser Phe Lys Ile Ile Gln Val Asn		15
20	25	30
Asp Asn		
34		

<210> 891
<211> 68
<212>Amino acid
<213> Homo sapiens

<400> 891		
Ala Arg Gly Pro Ser Leu Leu Ser Glu Phe His Pro Gly Ser Asp Arg		
1	5	10
Pro Gln Glu Arg Arg Thr Ser Tyr Glu Pro Ile His Pro Gly Pro Ser		15
20	25	30
Pro Val Asp His Asp Ser Leu Glu Ser Lys Arg Pro Arg Leu Glu Gln		
35	40	45
Ala Ser Asp Ser His Tyr Gln Gly His Ile Thr Gly Glu Ser Leu Pro		
50	55	60
Gly Arg Val His		
65	68	

<210> 892
<211> 38
<212>Amino acid
<213> Homo sapiens

<400> 892		
Gly Thr Arg Lys Glu Glu Phe Ser Ala Glu Glu Asn Phe Leu Ile Leu		
1	5	10
Thr Glu Met Ala Thr Asn His Val Gln Val Leu Val Glu Phe Thr Lys		15
20	25	30
Lys Leu Pro Gly Ile Phe		

35

38

<210> 893
<211> 195
<212>Amino acid
<213> Homo sapiens

<400> 893
His Thr His Lys Leu Val Ala Pro Arg Pro Gly Leu Pro Pro Thr Ser
1 5 10 15
Gln Trp Pro Arg Asp Ala Gly Arg Gln Ala Ser Gly Gly Leu Pro Ser
20 25 30
Leu Ser Thr Gly Pro Pro Lys Gly Pro Arg Asp Gly Leu Ala Arg Gly
35 40 45
His Pro Ala Glu Trp Leu Ala Gly Ser Pro Gly Asn Asn Ser Pro Thr
50 55 60
Gln Gly Ser Leu Pro Pro Gln Leu Asp Leu Tyr Ala Gly Ala Leu Phe
65 70 75 80
Val His Ile Cys Leu Gly Trp Asn Phe Tyr Leu Ser Thr Ile Leu Thr
85 90 95
Leu Gly Ile Thr Ala Leu Tyr Thr Ile Ala Gly Met Val Pro Ala Ala
100 105 110
Gly Arg Ser Thr Gln Gly Thr Cys Lys Gly Val Arg Arg Pro Pro Pro
115 120 125
Pro Thr Gly Pro Arg Glu Gln Pro Arg Lys Trp Pro Gln Gln Glu Pro
130 135 140
Gln Lys Phe Leu Pro Val Ser Leu Leu Pro Gly Ala Arg Ala Pro Ser
145 150 155 160
Ser Asn Leu Ala Ser Thr Gly Arg Gly Pro Gly Cys Cys Asn Leu His
165 170 175
Gly Arg Pro Ala Asp Ala His His Gly Gly Gly Cys His Pro Asp
180 185 190
Asn Gln Arg
195

<210> 894
<211> 87
<212>Amino acid
<213> Homo sapiens

<400> 894
Met Val Asn His Ser Leu Gln Glu Thr Ser Glu Gln Asn Val Ile Leu
1 5 10 15
Gln His Thr Leu Gln Gln Gln Gln Met Leu Gln Gln Glu Thr Ile
20 25 30
Arg Asn Gly Glu Leu Glu Asp Thr Gln Thr Lys Leu Glu Lys Gln Val
35 40 45
Ser Lys Leu Glu Gln Glu Leu Gln Lys Gln Arg Glu Ser Ser Ala Glu
50 55 60
Lys Leu Arg Lys Met Glu Glu Lys Cys Glu Ser Ala Ala His Glu Ala
65 70 75 80
Asp Leu Lys Arg Gln Lys *
85 86

<210> 895
 <211> 49
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(49)
 <223> X = any amino acid or stop code

<400> 895
 Val Cys Pro Lys Trp Cys Arg Phe Leu Thr Met Leu Gly His Cys Cys
 1 5 10 15
 Tyr Phe Trp His Val Trp Pro Ala Ser Xaa Ala Leu Ser Ala Gly Pro
 20 25 30
 Thr Pro Thr Ser Arg Ser Phe Ser Pro Ser Pro Leu Arg Ser Ile Ser
 35 40 45
 Thr
 49

<210> 896
 <211> 128
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(128)
 <223> X = any amino acid or stop code

<400> 896
 Met Arg Gly Pro Pro Val Leu Leu Leu Gln Ala Ala Pro Met Glu Cys
 1 5 10 15
 Pro Val Pro Gln Gly Ile Pro Ala Gly Ser Ser Pro Glu Pro Ala Pro
 20 25 30
 Asp Pro Pro Gly Pro His Phe Leu Arg Gln Glu Arg Ser Phe Glu Cys
 35 40 45
 Arg Met Cys Gly Lys Ala Phe Lys Arg Ser Ser Thr Leu Ser Thr His
 50 55 60
 Leu Leu Ile His Ser Asp Thr Arg Pro Tyr Pro Cys Gln Phe Cys Gly
 65 70 75 80
 Lys Arg Phe His Gln Lys Ser Asp Met Lys Lys His Thr Tyr Ile His
 85 90 95
 Thr Gly Glu Lys Pro His Lys Cys Gln Thr Gln Arg Glu Pro Thr Met
 100 105 110
 Val Leu Ser Pro Ala Asp Lys Thr Asn Val Lys Ala Ala Trp Xaa *
 115 120 125 127

<210> 897
 <211> 57
 <212>Amino acid
 <213> Homo sapiens

<400> 897
 His Glu Gln Leu Thr Asn Asn Thr Ala Thr Ala Pro Ser Ala Thr Pro
 1 5 10 15
 Val Phe Gly Gln Val Ala Ala Ser Thr Ala Pro Ser Leu Phe Gly Gln
 20 25 30
 Gln Thr Gly Ile Thr Ala Ser Thr Ala Val Ala Thr Pro Gln Val Ile
 35 40 45
 Ser Ser Arg Phe Ile Asn Leu Asp Phe
 50 55 57

<210> 898
 <211> 163
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(163)
 <223> X = any amino acid or stop code

<400> 898
 Val Ser Val Phe Lys Asn Cys Pro Met Tyr Xaa Ile Cys Ile Phe Leu
 1 5 10 15
 Thr Lys Met Phe Cys Val Leu Ile Ile Xaa Asn Lys Phe Xaa Val His
 20 25 30
 Lys Lys Pro Leu Gln Glu Val Glu Ile Ala Ala Ile Thr His Gly Ala
 35 40 45
 Leu Gln Gly Leu Ala Tyr Leu His Ser His Thr Met Ile His Arg Asp
 50 55 60
 Ile Lys Ala Gly Asn Ile Leu Leu Thr Glu Pro Gly Gln Val Lys Leu
 65 70 75 80
 Ala Asp Phe Gly Ser Ala Ser Met Ala Ser Pro Ala Asn Ser Phe Val
 85 90 95
 Gly Thr Pro Tyr Trp Met Ala Pro Glu Val Ile Leu Ala Met Asp Glu
 100 105 110
 Gly Gln Tyr Asp Gly Lys Val Asp Val Trp Ser Leu Gly Ile Thr Cys
 115 120 125
 Ile Glu Leu Ala Glu Arg Lys Pro Pro Leu Phe Asn Met Asn Ala Met
 130 135 140
 Ser Ala Leu Tyr His Ile Ala Gln Asn Glu Ser Pro Thr Leu Gln Ser
 145 150 155 160
 Asn Glu Trp
 163

<210> 899
 <211> 352
 <212>Amino acid
 <213> Homo sapiens

<400> 899

Arg His Ala Arg Pro Gly Gly Gly His Ser Asn Gln Arg Lys Met
 1 5 10 15
 Ser Leu Glu Gln Glu Glu Glu Thr Gln Pro Gly Arg Leu Leu Gly Arg
 20 25 30
 Arg Asp Ala Val Pro Ala Phe Ile Glu Pro Asn Val Arg Phe Trp Ile
 35 40 45
 Thr Glu Arg Gln Ser Phe Ile Arg Arg Phe Leu Gln Trp Thr Glu Leu
 50 55 60
 Leu Asp Pro Thr Asn Val Phe Ile Ser Val Glu Ser Ile Glu Asn Ser
 65 70 75 80
 Arg Gln Leu Leu Cys Thr Asn Glu Asp Val Ser Ser Pro Ala Ser Ala
 85 90 95
 Asp Gln Arg Ile Gln Glu Ala Trp Lys Arg Ser Leu Ala Thr Val His
 100 105 110
 Pro Asp Ser Ser Asn Leu Ile Pro Lys Leu Phe Arg Pro Ala Ala Phe
 115 120 125
 Leu Pro Phe Met Ala Pro Thr Val Phe Leu Ser Met Thr Pro Leu Lys
 130 135 140
 Gly Ile Lys Ser Val Ile Leu Pro Gln Val Phe Leu Cys Ala Tyr Met
 145 150 155 160
 Ala Ala Phe Asn Ser Ile Asn Gly Asn Arg Ser Tyr Thr Cys Lys Pro
 165 170 175
 Leu Glu Arg Ser Leu Leu Met Ala Gly Ala Val Ala Ser Ser Thr Phe
 180 185 190
 Leu Gly Val Ile Pro Gln Phe Val Gln Met Lys Tyr Gly Leu Thr Gly
 195 200 205
 Pro Trp Ile Lys Arg Leu Leu Pro Val Ile Phe Leu Val Gln Ala Ser
 210 215 220
 Gly Met Asn Val Tyr Met Ser Arg Ser Leu Glu Ser Ile Lys Gly Ile
 225 230 235 240
 Ala Val Met Asp Lys Glu Gly Asn Val Leu Gly His Ser Arg Ile Ala
 245 250 255
 Gly Thr Lys Ala Val Arg Glu Thr Leu Ala Ser Arg Ile Val Leu Phe
 260 265 270
 Gly Thr Ser Ala Leu Ile Pro Glu Val Phe Thr Tyr Phe Phe Lys Arg
 275 280 285
 Thr Gln Tyr Phe Arg Lys Asn Pro Gly Ser Leu Trp Ile Leu Lys Leu
 290 295 300
 Ser Cys Thr Val Leu Ala Met Gly Leu Met Val Pro Phe Ser Phe Ser
 305 310 315 320
 Ile Phe Pro Gln Ile Gly Gln Ile Gln Tyr Cys Ser Leu Glu Glu Lys
 325 330 335
 Ile Gln Ser Pro Thr Glu Glu Thr Glu Ile Phe Tyr His Arg Gly Val
 340 345 350 352

<210> 900
 <211> 186
 <212>Amino acid
 <213> Homo sapiens

<400> 900
 His Ala Ser Gly Arg Leu Glu Val Phe Tyr Asn Gly Thr Trp Gly Ser
 1 5 10 15
 Val Gly Arg Arg Asn Ile Thr Thr Ala Ile Ala Gly Ile Val Cys Arg
 20 25 30
 Gln Leu Gly Cys Gly Glu Asn Gly Val Val Ser Leu Ala Pro Leu Ser
 35 40 45

Lys Thr Gly Ser Gly Phe Met Trp Val Asp Asp Ile Gln Cys Pro Lys
 50 55 60
 Thr His Ile Ser Ile Trp Gln Cys Leu Ser Ala Pro Trp Glu Arg Arg
 65 70 75 80
 Ile Ser Ser Pro Ala Glu Glu Thr Trp Ile Thr Cys Glu Asp Arg Ile
 85 90 95
 Arg Val Arg Gly Gly Asp Thr Glu Cys Ser Gly Arg Val Glu Ile Trp
 100 105 110
 His Ala Gly Ser Trp Gly Thr Val Cys Asp Asp Ser Trp Asp Leu Ala
 115 120 125
 Glu Ala Glu Val Val Cys Gln Gln Leu Gly Cys Gly Ser Ala Leu Ala
 130 135 140
 Ala Leu Arg Asp Ala Ser Phe Gly Gln Gly Thr Gly Thr Ile Trp Leu
 145 150 155 160
 Asp Asp Met Arg Cys Lys Gly Asn Glu Ser Phe Leu Trp Asp Cys His
 165 170 175
 Ala Lys Pro Trp Gly Gln Ser Asp Cys Gly
 180 185 186

<210> 901
<211> 365
<212>Amino acid
<213> Homo sapiens

<400> 901
 Leu Gly Asp Phe Pro Gln Pro Gln Arg Gln Arg Arg Pro Gly Ala Ser
 1 5 10 15
 Asp Leu Pro Pro His Leu Ala Gly Ala Arg Gln Trp Glu Val Arg Phe
 20 25 30
 Phe Arg His Leu Pro Ala Arg Thr Leu Pro Pro Ser Leu Arg Met Pro
 35 40 45
 Glu Gly Pro Glu Leu His Leu Ala Ser Gln Phe Val Asn Glu Ala Cys
 50 55 60
 Arg Ala Leu Val Phe Gly Gly Cys Val Glu Lys Ser Ser Val Ser Arg
 65 70 75 80
 Asn Pro Glu Val Pro Phe Glu Ser Ser Ala Tyr Arg Ile Ser Ala Ser
 85 90 95
 Ala Arg Gly Lys Glu Leu Arg Leu Ile Leu Ser Pro Leu Pro Gly Ala
 100 105 110
 Gln Pro Gln Gln Glu Pro Leu Ala Leu Val Phe Arg Phe Gly Met Ser
 115 120 125
 Gly Ser Phe Gln Leu Val Pro Arg Glu Glu Leu Pro Arg His Ala His
 130 135 140
 Leu Arg Phe Tyr Thr Ala Pro Pro Gly Pro Arg Leu Ala Leu Cys Phe
 145 150 155 160
 Val Asp Ile Arg Arg Phe Gly Arg Trp Asp Leu Gly Gly Lys Trp Gln
 165 170 175
 Pro Gly Arg Gly Pro Cys Val Leu Gln Glu Tyr Gln Gln Phe Arg Glu
 180 185 190
 Asn Val Leu Arg Asn Leu Ala Asp Lys Ala Phe Asp Arg Pro Ile Cys
 195 200 205
 Glu Ala Leu Leu Asp Gln Arg Phe Phe Asn Gly Ile Gly Asn Tyr Leu
 210 215 220
 Arg Ala Glu Ile Leu Tyr Arg Leu Lys Ile Pro Pro Phe Glu Lys Ala
 225 230 235 240
 Arg Ser Val Leu Glu Ala Leu Gln Gln His Arg Pro Ser Pro Glu Leu
 245 250 255
 Thr Leu Ser Gln Lys Ile Arg Thr Lys Leu Gln Asn Pro Asp Leu Leu
 260 265 270

Glu Leu Cys His Ser Val Pro Lys Glu Val Val Gln Leu Gly Gly Arg
 275 280 285
 Gly Tyr Gly Ser Glu Ser Gly Glu Glu Asp Phe Ala Ala Phe Arg Ala
 290 295 300
 Trp Leu Arg Cys Tyr Gly Met Pro Gly Met Ser Ser Leu Gln Asp Arg
 305 310 315 320
 His Gly Arg Thr Ile Trp Phe Gln Gly Asp Pro Gly Pro Leu Ala Pro
 325 330 335
 Lys Gly Arg Lys Ser Arg Lys Lys Ser Lys Ala Thr Gln Leu Ser
 340 345 350
 Pro Glu Asp Arg Val Glu Asp Ala Leu Pro Pro Ser Lys
 355 360 365

<210> 902
 <211> 110
 <212>Amino acid
 <213> Homo sapiens

<400> 902
 Leu Thr Trp Ser Ala Cys Tyr Trp Arg Asp Ile Leu Arg Ile Gln Leu
 1 5 10 15
 Trp Ile Ala Ala Asp Ile Leu Leu Arg Met Leu Glu Lys Ala Leu Leu
 20 25 30
 Tyr Ser Glu His Gln Asn Ile Ser Asn Thr Gly Leu Ser Ser Gln Gly
 35 40 45
 Leu Leu Ile Phe Ala Glu Leu Ile Pro Ala Ile Lys Arg Thr Leu Ala
 50 55 60
 Arg Leu Leu Val Ile Ile Ala Ser Leu Asp Tyr Gly Ile Glu Lys Pro
 65 70 75 80
 His Leu Gly Thr Gly Met His Arg Val Ile Gly Leu Met Leu Leu Tyr
 85 90 95
 Leu Ile Phe Ala Asn Ala Glu Ser Val Ile Arg Val Ile Gly
 100 105 110

<210> 903
 <211> 44
 <212>Amino acid
 <213> Homo sapiens

<400> 903
 Phe Phe Phe Glu Met Glu Ser Arg Ser Ala Ala Gln Ala Gly Val Gln
 1 5 10 15
 Trp Cys Asn Leu Gly Ser Leu Gln Ala Leu Pro Pro Arg Phe Thr Pro
 20 25 30
 Phe Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr
 35 40 44

<210> 904
 <211> 190
 <212>Amino acid
 <213> Homo sapiens

<400> 904

Tyr	Glu	Cys	Glu	Glu	Leu	Ala	Lys	Lys	Leu	Glu	Asn	Ser	Gln	Arg	Asp
1				5					10					15	
Gly	Ile	Ser	Arg	Asn	Lys	Leu	Ala	Leu	Ala	Glu	Leu	Tyr	Glu	Asp	Glu
					20				25					30	
Val	Lys	Cys	Lys	Ser	Ser	Lys	Ser	Asn	Arg	Pro	Lys	Ala	Thr	Val	Phe
					35				40					45	
Lys	Ser	Pro	Arg	Thr	Pro	Pro	Gln	Arg	Phe	Tyr	Ser	Ser	Glu	His	Glu
					50				55					60	
Tyr	Ser	Gly	Leu	Asn	Ile	Val	Arg	Pro	Ser	Thr	Gly	Lys	Ile	Val	Asn
					65				70					80	
Glu	Leu	Phe	Lys	Glu	Ala	Arg	Glu	His	Gly	Ala	Val	Pro	Leu	Asn	Glu
					85				90					95	
Ala	Thr	Arg	Ala	Ser	Gly	Asp	Asp	Lys	Ser	Lys	Ser	Phe	Thr	Gly	Gly
					100				105					110	
Gly	Tyr	Arg	Leu	Gly	Ser	Ser	Phe	Cys	Lys	Arg	Ser	Glu	Tyr	Ile	Tyr
					115				120					125	
Gly	Glu	Asn	Gln	Leu	Gln	Asp	Val	Gln	Ile	Leu	Leu	Lys	Leu	Trp	Ser
					130				135					140	
Asn	Gly	Phe	Ser	Leu	Asp	Asp	Gly	Glu	Leu	Arg	Pro	Tyr	Asn	Glu	Pro
					145				150					160	
Thr	Asn	Ala	Gln	Phe	Leu	Glu	Ser	Val	Lys	Arg	Gly	Val	Thr	Leu	Ile
					165				170					175	
Ala	Cys	Met	Pro	Glu	Ile	Gln	Gln	Leu	Met	Leu	Glu	Ile	Phe		
					180				185					190	

<210> 905

<211> 414

<212>Amino acid

<213> Homo sapiens

<400> 905

Trp	Pro	Cys	Gly	Ala	Ala	Pro	Gly	Leu	Thr	His	Ala	Ser	Glu	Arg	Met
1					5				10					15	
Phe	Thr	Leu	Thr	Thr	Met	Ile	Gln	Ala	Leu	Ala	Pro	Val	Met	Gly	Trp
					20				25					30	
Asp	Arg	Lys	Pro	Leu	Lys	Met	Phe	Ser	Ser	Glu	Glu	Met	Arg	Gly	His
					35				40					45	
Leu	His	His	His	His	Lys	Cys	Leu	Thr	Lys	Ile	Leu	Lys	Val	Glu	Gly
					50				55					60	
Gln	Val	Pro	Asp	Leu	Pro	Ser	Cys	Leu	Pro	Leu	Thr	Asp	Asn	Thr	Arg
					65				70					80	
Met	Leu	Ala	Ser	Ile	Leu	Ile	Asn	Met	Leu	Tyr	Asp	Asp	Leu	Arg	Cys
					85				90					95	
Asp	Pro	Glu	Arg	Asp	His	Phe	Arg	Lys	Ile	Cys	Glu	Glu	Tyr	Ile	Thr
					100				105					110	
Gly	Lys	Phe	Asp	Pro	Gln	Asp	Met	Asp	Lys	Asn	Leu	Asn	Ala	Ile	Gln
					115				120					125	
Thr	Val	Ser	Gly	Ile	Leu	Gln	Gly	Pro	Phe	Asp	Leu	Gly	Asn	Gln	Leu
					130				135					140	
Leu	Gly	Leu	Lys	Gly	Val	Met	Glu	Met	Met	Val	Ala	Leu	Cys	Gly	Ser
					145				150					160	
Glu	Arg	Glu	Thr	Asp	Gln	Leu	Val	Ala	Val	Glu	Ala	Leu	Ile	His	Ala
					165				170					175	
Ser	Thr	Lys	Leu	Ser	Arg	Ala	Thr	Phe	Ile	Ile	Thr	Asn	Gly	Val	Ser
					180				185					190	

Leu Leu Lys Gln Ile Tyr Lys Thr Thr Lys Asn Glu Lys Ile Lys Ile
 195 200 205
 Arg Thr Leu Val Gly Leu Cys Lys Leu Gly Ser Ala Gly Gly Thr Asp
 210 215 220
 Tyr Gly Leu Arg Gln Phe Ala Glu Gly Ser Thr Glu Lys Leu Ala Lys
 225 230 235 240
 Gln Cys Arg Lys Trp Leu Cys Asn Met Ser Ile Asp Thr Arg Thr Arg
 245 250 255
 Arg Trp Ala Val Glu Gly Leu Ala Tyr Leu Thr Leu Asp Ala Asp Val
 260 265 270
 Lys Asp Asp Phe Val Gln Asp Val Pro Ala Leu Gln Ala Met Phe Glu
 275 280 285
 Leu Ala Lys Thr Ser Asp Lys Thr Ile Leu Tyr Ser Val Ala Thr Thr
 290 295 300
 Leu Val Asn Cys Thr Asn Ser Tyr Asp Val Lys Glu Val Ile Pro Glu
 305 310 315 320
 Leu Val Gln Leu Ala Lys Phe Ser Lys Gln His Val Pro Glu Glu His
 325 330 335
 Pro Lys Asp Lys Asp Phe Ile Asp Met Arg Val Lys Arg Leu Leu
 340 345 350
 Lys Ala Gly Val Ile Ser Ala Leu Ala Cys Met Val Lys Ala Asp Ser
 355 360 365
 Ala Ile Leu Thr Asp Gln Thr Lys Glu Leu Leu Ala Arg Val Phe Leu
 370 375 380
 Ala Leu Cys Asp Asn Pro Lys Asp Arg Gly Thr Ile Val Ala Gln Gly
 385 390 395 400
 Gly Gly Lys Ala Leu Ile Pro Leu Ala Leu Glu Gly Thr Asp
 405 410 414

<210> 906
 <211> 296
 <212>Amino acid
 <213> Homo sapiens

<400> 906

Val Asp Ser Val Gly Gly Ser Glu Ser Arg Ser Leu Asp Ser Pro
 1 5 10 15
 Thr Ser Ser Pro Gly Ala Gly Thr Arg Gln Leu Val Lys Ala Ser Ser
 20 25 30
 Thr Gly Thr Glu Ser Ser Asp Asp Phe Glu Glu Arg Asp Pro Asp Leu
 35 40 45
 Gly Asp Gly Leu Glu Asn Gly Leu Gly Ser Pro Phe Gly Lys Trp Thr
 50 55 60
 Leu Ser Ser Ala Ala Gln Thr His Gln Leu Arg Arg Leu Arg Gly Pro
 65 70 75 80
 Ala Lys Cys Arg Glu Cys Glu Ala Phe Met Val Ser Gly Thr Glu Cys
 85 90 95
 Glu Glu Cys Phe Leu Thr Cys His Lys Arg Cys Leu Glu Thr Leu Leu
 100 105 110
 Ile Leu Cys Gly His Arg Arg Leu Pro Ala Arg Thr Pro Leu Phe Gly
 115 120 125
 Val Asp Phe Leu Gln Leu Pro Arg Asp Phe Pro Glu Glu Val Pro Phe
 130 135 140
 Val Val Thr Lys Cys Thr Ala Glu Ile Glu His Arg Ala Leu Asp Val
 145 150 155 160
 Gln Gly Ile Tyr Arg Val Ser Gly Ser Arg Val Arg Val Glu Arg Leu
 165 170 175
 Cys Gln Ala Phe Glu Asn Gly Arg Ala Leu Val Glu Leu Ser Gly Asn
 180 185 190

Ser Pro His Asp Val Ser Ser Val Leu Lys Arg Phe Leu Gln Glu Leu
 195 200 205
 Thr Glu Pro Val Ile Pro Phe His Leu Tyr Asp Ala Phe Ile Ser Leu
 210 215 220
 Ala Lys Thr Leu His Ala Asp Pro Gly Asp Asp Pro Gly Thr Pro Ser
 225 230 235 240
 Pro Ser Pro Glu Val Ile Arg Ser Leu Lys Thr Leu Leu Val Gln Leu
 245 250 255
 Pro Asp Ser Asn Tyr Asn Thr Leu Arg His Leu Val Ala His Leu Phe
 260 265 270
 Arg Val Ala Ala Arg Phe Met Glu Asn Lys Met Ser Ala Asn Asn Leu
 275 280 285
 Gly Ile Val Phe Gly Pro Thr Leu
 290 295 296

<210> 907
<211> 131
<212>Amino acid
<213> Homo sapiens

<400> 907
Gly Leu His Val Ile Ser Leu His Ser Ala Asp Gly Arg His Trp Glu
 1 5 10 15
Asp Pro Leu Ser Glu Leu Asp Ser Glu Arg Val Ser Ala Phe Leu Val
 20 25 30
Thr Glu Thr Leu Val Phe Tyr Leu Phe Cys Leu Leu Ala Asp Glu Thr
 35 40 45
Val Val Pro Pro Asp Val Pro Ser Tyr Leu Ser Ser Gln Gly Thr Leu
 50 55 60
Ser Asp Arg Gln Glu Thr Val Val Arg Thr Glu Gly Gly Pro Gln Ala
 65 70 75 80
Asn Gly His Ile Glu Ser Asn Gly Lys Ala Ser Val Thr Val Lys Gln
 85 90 95
Ser Ser Ala Val Thr Val Ser Leu Gly Ala Gly Gly Leu Gln Val
 100 105 110
Phe Thr Gly Gln Val Pro Gly Ile Arg Trp Gly Lys Leu Gly Glu Ala
 115 120 125
His Ala Ser
 130 131

<210> 908
<211> 124
<212>Amino acid
<213> Homo sapiens

<400> 908
Lys Ile Lys His Arg Pro Glu Glu Glu Pro Arg Trp Ala Ala Ala Gly
 1 5 10 15
Ala Gln Ser Ala Gly Pro Gly Ala Ala Glu Val Ala Pro Pro Arg Pro
 20 25 30
Gly Thr Val Ala Pro Gly Ala Asn Gly Met Thr Asp Ser Ala Thr Ala
 35 40 45
Asn Gly Asp Asp Arg Asp Pro Glu Ile Glu Leu Phe Val Lys Ala Gly
 50 55 60

Ile Asp Gly Glu Ser Ile Gly Asn Cys Pro Phe Ser Gln Arg Leu Phe
 65 70 75 80
 Met Ile Leu Trp Leu Lys Gly Val Val Phe Asn Val Thr Thr Val Asp
 85 90 95
 Leu Lys Arg Lys Pro Ala Asp Leu Arg Asn Leu Ala Pro Gly Thr His
 100 105 110
 Pro Pro Phe Leu Ala Phe Asn Trp Tyr Val Lys Thr
 115 120 124

<210> 909
<211> 111
<212>Amino acid
<213> Homo sapiens

<400> 909
Leu Gly Phe Ser Asp Gly Gln Glu Ala Arg Pro Glu Glu Ile Gly Trp
 1 5 10 15
 Leu Asn Gly Tyr Asn Glu Thr Thr Gly Glu Arg Gly Asp Phe Pro Gly
 20 25 30
 Thr Tyr Val Glu Tyr Ile Gly Arg Lys Lys Ile Ser Pro Pro Thr Pro
 35 40 45
 Lys Pro Arg Pro Pro Arg Pro Leu Pro Val Ala Pro Gly Ser Ser Lys
 50 55 60
 Thr Glu Ala Asp Val Glu Gln Gln Val Leu Tyr Lys Tyr Arg Lys Lys
 65 70 75 80
 Pro Ser Ser Ser His Arg Pro Gln Thr Pro His Asn Gly Lys Ser Lys
 85 90 95
 Asn Phe Leu His Lys Gln Gly Leu Lys Lys Lys Lys Ala Ser Leu
 100 105 110 111

<210> 910
<211> 298
<212>Amino acid
<213> Homo sapiens

<400> 910
Arg Thr Arg Gly Val Met Glu Leu Ala Leu Arg Arg Ser Pro Val Pro
 1 5 10 15
 Arg Trp Leu Leu Leu Leu Pro Leu Leu Leu Gly Leu Asn Ala Gly Ala
 20 25 30
 Val Ile Asp Trp Pro Thr Glu Glu Gly Lys Glu Val Trp Asp Tyr Val
 35 40 45
 Thr Val Arg Lys Asp Ala Tyr Met Phe Trp Trp Leu Tyr Tyr Ala Thr
 50 55 60
 Asn Ser Cys Lys Asn Phe Ser Glu Leu Pro Leu Val Met Trp Leu Gln
 65 70 75 80
 Gly Gly Pro Gly Gly Ser Ser Thr Gly Phe Gly Asn Phe Glu Glu Ile
 85 90 95
 Gly Pro Leu Asp Ser Asp Leu Lys Pro Arg Lys Thr Thr Trp Leu Gln
 100 105 110
 Ala Ala Ser Leu Leu Phe Val Asp Asn Pro Val Gly Thr Gly Phe Ser
 115 120 125
 Tyr Val Asn Gly Ser Gly Ala Tyr Ala Lys Asp Leu Ala Met Val Ala
 130 135 140

Ser Asp Met Met Gly Leu Leu Lys Thr Phe Phe Ser Cys His Lys Glu
 145 150 155 160
 Phe Gln Thr Val Pro Phe Tyr Ile Phe Ser Glu Ser Tyr Gly Gly Lys
 165 170 175
 Met Ala Ala Gly Ile Gly Leu Glu Leu Tyr Lys Ala Ile Gln Arg Gly
 180 185 190
 Thr Ile Lys Cys Asn Phe Ala Gly Val Ala Leu Gly Asp Ser Trp Ile
 195 200 205
 Ser Pro Val Asp Ser Val Leu Ser Trp Gly Pro Tyr Leu Tyr Ser Met
 210 215 220
 Ser Leu Leu Glu Asp Lys Gly Leu Ala Glu Val Ser Lys Val Ala Glu
 225 230 235 240
 Gln Val Leu Asn Ala Val Asn Lys Gly Leu Tyr Arg Glu Ala Thr Glu
 245 250 255
 Leu Trp Gly Lys Ala Glu Met Ile Ile Glu Gln Val Lys Arg Gly Asn
 260 265 270
 Thr Gln Arg Arg Ala Cys Leu Ala Phe Ser Gly Gly Tyr Arg Ala His
 275 280 285
 Gly Trp Cys Cys Gln Thr Trp Ser Leu His
 290 295 298

<210> 911
 <211> 213
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(213)
 <223> X = any amino acid or stop code

<400> 911
 Pro Gly Trp Ser Arg Ser Pro Asp Leu Val Ile Arg Leu Pro Arg Pro
 1 5 10 15
 Pro Lys Val Leu Gly Leu Gln Tyr Tyr His Phe Phe Phe Phe Leu Arg
 20 25 30
 Trp Ser Leu Asp Ser Val Ala Gln Ala Glu Val Gln Trp His Asp Leu
 35 40 45
 Arg Ser Leu Gln Ala Pro Pro Pro Gly Phe Thr Pro Phe Ser Cys Leu
 50 55 60
 Ser Leu Pro Gly Ser Trp Asp Tyr Arg Cys Pro Pro Pro Arg Pro Ala
 65 70 75 80
 Asn Phe Leu Tyr Phe Xaa Xaa Arg Arg Gly Phe Thr Val Leu Ala Arg
 85 90 95
 Met Val Ser Ile Ser Xaa Pro Arg Asp Pro Pro Ala Ser Ala Ser Gln
 100 105 110
 Ser Ala Gly Ile Thr Val Leu Ser Leu Phe Phe Phe Phe Glu Met Glu
 115 120 125
 Ser Cys Ser Val Ala Gln Ala Gly Val Gln Trp Arg Tyr Leu Gly Ser
 130 135 140
 Leu Gln Ala Leu Pro Pro Gly Phe Thr Pro Phe Ser Cys Leu Ser Leu
 145 150 155 160
 Pro Ser Ser Trp Asp Tyr Arg Arg Pro Pro Pro Arg Pro Ala Asn Phe
 165 170 175
 Phe Val Phe Leu Val Glu Thr Gly Val Ser Pro Cys Xaa Pro Gly Trp
 180 185 190
 Ser Arg Ser Pro Asp Leu Val Ile Arg Leu Pro Gln Pro Pro Lys Val
 195 200 205
 Leu Gly Leu Gln Val

210

213

<210> 912
<211> 583
<212>Amino acid
<213> Homo sapiens

<400> 912
Pro Ser Met Lys Thr Gly Glu Leu Glu Lys Glu Thr Ala Pro Leu Arg
1 5 10 15
Lys Asp Ala Asp Ser Ser Ile Ser Val Leu Glu Ile His Ser Gln Lys
20 25 30
Ala Gln Ile Glu Glu Pro Asp Pro Pro Glu Met Glu Thr Ser Leu Asp
35 40 45
Ser Ser Glu Met Ala Lys Asp Leu Ser Ser Lys Thr Ala Leu Ser Ser
50 55 60
Thr Glu Ser Cys Thr Met Lys Gly Glu Glu Lys Ser Pro Lys Thr Lys
65 70 75 80
Lys Asp Lys Arg Pro Pro Ile Leu Glu Cys Leu Glu Lys Leu Glu Lys
85 90 95
Ser Lys Lys Thr Phe Leu Asp Lys Asp Ala Gln Arg Leu Ser Pro Ile
100 105 110
Pro Glu Glu Val Pro Lys Ser Thr Leu Glu Ser Glu Lys Pro Gly Ser
115 120 125
Pro Glu Ala Ala Glu Thr Ser Pro Pro Ser Asn Ile Ile Asp His Cys
130 135 140
Glu Lys Leu Ala Ser Glu Lys Glu Val Val Glu Cys Gln Ser Thr Ser
145 150 155 160
Thr Val Gly Gly Gln Ser Val Lys Lys Val Asp Leu Glu Thr Leu Lys
165 170 175
Glu Asp Ser Glu Phe Thr Lys Val Glu Met Asp Asn Leu Asp Asn Ala
180 185 190
Gln Thr Ser Gly Ile Glu Glu Pro Ser Glu Thr Lys Gly Ser Met Gln
195 200 205
Lys Ser Lys Phe Lys Tyr Lys Leu Val Pro Glu Glu Thr Thr Ala
210 215 220
Ser Glu Asn Thr Glu Ile Thr Ser Glu Arg Gln Lys Glu Gly Ile Lys
225 230 235 240
Leu Thr Ile Arg Ile Ser Ser Arg Lys Lys Lys Pro Asp Ser Pro Pro
245 250 255
Lys Val Leu Glu Pro Glu Asn Lys Gln Glu Lys Thr Glu Lys Glu Glu
260 265 270
Glu Lys Thr Asn Val Gly Arg Thr Leu Arg Arg Ser Pro Arg Ile Ser
275 280 285
Arg Pro Thr Ala Lys Val Ala Glu Ile Arg Asp Gln Lys Ala Asp Lys
290 295 300
Lys Arg Gly Glu Gly Glu Asp Glu Val Glu Glu Ser Thr Ala Leu
305 310 315 320
Gln Lys Thr Asp Lys Lys Glu Ile Leu Lys Lys Ser Glu Lys Asp Thr
325 330 335
Asn Ser Lys Val Ser Lys Val Lys Pro Lys Gly Lys Val Arg Trp Thr
340 345 350
Gly Ser Arg Thr Arg Gly Arg Trp Lys Tyr Ser Ser Asn Asp Glu Ser
355 360 365
Glu Gly Ser Gly Ser Glu Lys Ser Ser Ala Ala Ser Glu Glu Glu Glu
370 375 380
Glu Lys Glu Ser Glu Glu Ala Ile Leu Ala Asp Asp Asp Glu Pro Cys
385 390 395 400
Lys Lys Cys Gly Leu Pro Asn His Pro Glu Leu Ile Leu Cys Asp

Ser	Cys	Asp	Ser	Gly	Tyr	His	Thr	Ala	Leu	Pro	Phe	Ala	Pro	Pro	Leu
405								410					415		
420								425					430		
Met	Ile	His	Pro	Gln	Met	Gly	Gly	Trp	Phe	Cys	Pro	Thr	Phe	Cys	Pro
435								440					445		
Thr	Leu	Asn	Leu	Leu	Leu	Glu	Lys	Leu	Glu	Asp	Gln	Phe	Gln	Asp	
450								455					460		
Leu	Asp	Val	Ala	Leu	Lys	Lys	Glu	Arg	Ala	Leu	Pro	Glu	Arg	Arg	Lys
465								470					475		
Glu	Arg	Leu	Val	Tyr	Val	Gly	Ile	Ser	Ile	Glu	Asn	Ile	Ile	Pro	Pro
485								490					495		
Gln	Glu	Pro	Asp	Phe	Ser	Glu	Asp	Gln	Glu	Glu	Lys	Lys	Lys	Asp	Ser
500								505					510		
Lys	Lys	Ser	Lys	Ala	Asn	Leu	Leu	Glu	Arg	Arg	Ser	Thr	Arg	Thr	Arg
515								520					525		
Lys	Cys	Ile	Ser	Tyr	Arg	Phe	Asp	Glu	Phe	Asp	Glu	Ala	Ile	Asp	Glu
530								535					540		
Ala	Ile	Glu	Asp	Asp	Ile	Lys	Glu	Ala	Asp	Gly	Gly	Val	Gly	Arg	
545								550					555		
Gly	Lys	Asp	Ile	Ser	Thr	Ile	Thr	Gly	His	Arg	Gly	Lys	Asp	Ile	Ser
565								570					575		
Thr	Ile	Leu	Asp	Glu	Glu	Arg									
580								583							

<210> 913
<211> 178
<212>Amino acid
<213> Homo sapiens

<400> 913															
Lys	Arg	Arg	Gly	Ser	Phe	Lys	Met	Ala	Glu	Leu	Asp	Gln	Leu	Pro	Asp
1					5				10				15		
Glu	Ser	Ser	Ser	Ala	Lys	Ala	Leu	Val	Ser	Leu	Lys	Glu	Gly	Ser	Leu
					20				25				30		
Ser	Asn	Thr	Trp	Asn	Glu	Lys	Tyr	Ser	Ser	Leu	Gln	Lys	Thr	Pro	Val
					35				40				45		
Trp	Lys	Gly	Arg	Asn	Thr	Ser	Ser	Ala	Val	Glu	Met	Pro	Phe	Arg	Asn
					50				55				60		
Ser	Lys	Arg	Ser	Arg	Leu	Phe	Ser	Asp	Glu	Asp	Asp	Arg	Gln	Ile	Asn
					65				70				75		
Thr	Arg	Ser	Pro	Lys	Arg	Asn	Gln	Arg	Val	Ala	Met	Val	Pro	Gln	Lys
					85				90				95		
Phe	Thr	Ala	Thr	Met	Ser	Thr	Pro	Asp	Lys	Lys	Ala	Ser	Gln	Lys	Ile
					100				105				110		
Gly	Phe	Arg	Leu	Arg	Asn	Leu	Leu	Lys	Leu	Pro	Lys	Ala	His	Lys	Trp
					115				120				125		
Cys	Ile	Tyr	Glu	Trp	Phe	Tyr	Ser	Asn	Ile	Asp	Lys	Pro	Leu	Phe	Glu
					130				135				140		
Gly	Asp	Asn	Asp	Phe	Cys	Val	Cys	Leu	Lys	Glu	Ser	Phe	Pro	Asn	Leu
					145				150				155		
Lys	Thr	Arg	Lys	Leu	Thr	Arg	Val	Glu	Trp	Gly	Lys	Ile	Arg	Arg	Leu
					165				170				175		
Met	Gly														
	178														

<210> 914
<211> 158
<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(158)

<223> X = any amino acid or stop code

<400> 914

Met	Pro	Glu	Tyr	Leu	Arg	Lys	Arg	Phe	Gly	Gly	Ile	Arg	Ile	Pro	Ile
1				5					10					15	
Ile	Leu	Ala	Val	Leu	Tyr	Leu	Phe	Ile	Tyr	Ile	Phe	Thr	Lys	Ile	Ser
					20				25				30		
Val	Asp	Met	Tyr	Ala	Gly	Ala	Ile	Phe	Ile	Gln	Gln	Ser	Leu	His	Leu
					35				40			45			
Asp	Leu	Tyr	Leu	Ala	Ile	Val	Gly	Leu	Leu	Ala	Ile	Thr	Ala	Val	Tyr
					50				55			60			
Thr	Val	Ala	Gly	Gly	Leu	Ala	Ala	Val	Ile	Tyr	Thr	Asp	Ala	Leu	Gln
					65				70			75			80
Thr	Leu	Ile	Met	Leu	Ile	Gly	Ala	Leu	Thr	Leu	Met	Gly	Tyr	Ser	Phe
					85				90			95			
Ala	Ala	Val	Gly	Gly	Met	Glu	Gly	Leu	Lys	Glu	Lys	Tyr	Phe	Leu	Ala
					100				105			110			
Leu	Ala	Ser	Asn	Arg	Ser	Glu	Asn	Ser	Ser	Cys	Gly	Leu	Pro	Arg	Glu
					115				120			125			
Asp	Ala	Phe	His	Ile	Phe	Arg	Asp	Pro	Leu	Thr	Ser	Asp	Leu	Pro	Trp
					130				135			140			
Pro	Gly	Val	Leu	Phe	Gly	Met	Ser	Ile	Pro	Ser	Leu	Xaa	*		
					145				150			155			157

<210> 915

<211> 108

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(108)

<223> X = any amino acid or stop code

<400> 915

Xaa	Ser	Ala	Ser	Ala	Thr	Ser	Leu	Thr	Leu	Ser	His	Cys	Val	Asp	Val
1					5				10				15		
Val	Lys	Gly	Leu	Leu	Asp	Phe	Lys	Lys	Arg	Arg	Gly	His	Ser	Ile	Gly
					20				25			30			
Gly	Ala	Pro	Glu	Gln	Arg	Tyr	Gln	Ile	Ile	Pro	Val	Met	Cys	Cys	Ser
					35				40			45			
Leu	Leu	Ala	Thr	Gly	Gly	Ala	Asp	Arg	Leu	Ile	His	Leu	Trp	Asn	Val
					50				55			60			
Val	Gly	Ser	Arg	Leu	Glu	Ala	Asn	Gln	Thr	Leu	Glu	Gly	Ala	Gly	Gly
					65				70			75			80
Ser	Ile	Thr	Ser	Val	Asp	Phe	Asp	Pro	Ser	Gly	Tyr	Gln	Val	Leu	Ala
					85				90			95			
Ala	Thr	Tyr	Asn	Gln	Val	Ala	Gln	Phe	Trp	Lys	*				
					100				105			107			

<210> 916
<211> 45
<212>Amino acid
<213> Homo sapiens

<400> 916
Gln Lys Arg Phe Pro Ser Asn Cys Gly Arg Asp Gly Lys Leu Phe Leu
1 5 10 15
Trp Gly Gln Ala Leu His Ile Ile Ala Lys Leu Leu Gly Lys Trp Arg
20 25 30
Arg Leu Gly Met Val Phe Phe Ser Leu Leu Leu Ser Tyr
35 40 45

<210> 917
<211> 180
<212>Amino acid
<213> Homo sapiens

<400> 917
Val His Val Cys Ser Ser Lys Met Gly Ala Leu Ser Thr Glu Arg Leu
1 5 10 15
Gln Tyr Tyr Thr Gln Glu Leu Gly Val Arg Glu Arg Ser Gly His Ser
20 25 30
Val Ser Leu Ile Asp Leu Trp Gly Leu Leu Val Glu Tyr Leu Leu Tyr
35 40 45
Gln Glu Glu Asn Pro Ala Lys Leu Ser Asp Gln Gln Glu Ala Val Arg
50 55 60
Gln Gly Gln Asn Pro Tyr Pro Ile Tyr Thr Ser Val Asn Val Arg Thr
65 70 75 80
Asn Leu Ser Gly Glu Asp Phe Ala Glu Trp Cys Glu Phe Thr Pro Tyr
85 90 95
Glu Val Gly Phe Pro Lys Tyr Gly Ala Tyr Val Pro Thr Glu Leu Phe
100 105 110
Gly Ser Glu Leu Phe Met Gly Arg Leu Leu Gln Leu Gln Pro Glu Pro
115 120 125
Arg Ile Cys Tyr Leu Gln Gly Met Trp Gly Ser Ala Phe Ala Thr Ser
130 135 140
Leu Asp Glu Ile Phe Leu Lys Thr Ala Gly Ser Gly Leu Ser Phe Leu
145 150 155 160
Glu Trp Tyr Arg Gly Ser Val Asn Ile Thr Asp Asp Cys Gln Lys Pro
165 170 175
Gln Leu His Asn
180

<210> 918
<211> 281
<212>Amino acid
<213> Homo sapiens

<400> 918

Glu Phe Leu Gly Arg Pro Thr Arg Pro Ala Lys Asp Glu Gly Asn Asp
 1 5 10 15
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp
 20 25 30
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Arg Lys Asp Glu Gly Lys Asp
 35 40 45
 Glu Gly Lys Asp Glu Arg Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp
 50 55 60
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp
 65 70 75 80
 Glu Gly Lys Asp Glu Gly Asn Asp Glu Gly Lys Asp Glu Gly Lys Asp
 85 90 95
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp
 100 105 110
 Glu Arg Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Arg Lys Asp
 115 120 125
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp
 130 135 140
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Asn Asp
 145 150 155 160
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp
 165 170 175
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Asn Asp Glu Gly Asn Asp
 180 185 190
 Glu Gly Asn Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Arg Asn Asp
 195 200 205
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp
 210 215 220
 Glu Arg Asn Asp Glu Gly Lys Asp Glu Arg Lys Asp Glu Gly Lys Asp
 225 230 235 240
 Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp Glu Gly Lys Asp
 245 250 255
 Glu Gly Asn Asp Glu Gly Lys Asp Glu Arg Lys Asp Glu Gly Lys Asp
 260 265 270
 Glu Gly Lys Asp Glu Gly Lys Asp Lys
 275 280 281

<210> 919

<211> 147

<212>Amino acid

<213> Homo sapiens

<400> 919

Pro Ser Leu Arg Pro Ala Trp His Glu Gly Glu Asp Phe Ser Tyr Gly
 1 5 10 15
 Leu Gln Pro Tyr Cys Gly Tyr Ser Phe Gln Val Val Gly Glu Met Ile
 20 25 30
 Arg Asn Arg Glu Val Leu Pro Cys Pro Asp Asp Cys Pro Ala Trp Ala
 35 40 45
 Tyr Ala Leu Met Ile Glu Gly Trp Asn Glu Phe Pro Ser Arg Arg Ala
 50 55 60
 Arg Phe Lys Asp Ile His Ser Arg Leu Arg Ala Trp Gly Asn Leu Ser
 65 70 75 80
 Asn Tyr Asn Ser Ser Glu Gln Thr Ser Gly Gly Arg Asn Thr Thr Gln
 85 90 95
 Thr Ser Ser Leu Ser Thr Ser Pro Leu Cys Asn Val Ser Asn Ala Pro
 100 105 110
 Tyr Val Gly Pro Lys Gln Lys Val Pro Pro Phe Pro Gln Thr Gln Val

115	120	125
Ile Pro Met Lys Gly Gln Ile Arg Pro Met Val Pro Pro Pro Gln Leu		
130	135	140
Tyr Val Pro		
145	147	

<210> 920
<211> 150
<212>Amino acid
<213> Homo sapiens

<400> 920		
Arg Asn Ser Gly Arg His Pro Arg Val Arg Trp Ile Leu Glu Glu Arg		
1	5	10
Lys Arg Val Met Gln Glu Ala Cys Ala Lys Tyr Arg Ala Ser Ser Ser		
20	25	30
Arg Arg Ala Val Thr Pro Arg His Val Ser Arg Ile Phe Val Glu Asp		
35	40	45
Arg His Arg Val Leu Tyr Cys Glu Val Pro Lys Ala Gly Cys Ser Asn		
50	55	60
Trp Lys Arg Val Leu Met Val Leu Ala Gly Leu Ala Ser Ser Thr Ala		
65	70	75
Asp Ile Gln His Asn Thr Val His Tyr Gly Ser Ala Leu Lys Arg Leu		
85	90	95
Asp Thr Phe Asp Arg Gln Gly Ile Leu His Arg Leu Ser Thr Tyr Thr		
100	105	110
Lys Met Leu Phe Val Arg Glu Pro Phe Glu Arg Leu Val Ser Ala Phe		
115	120	125
Arg Asp Lys Phe Glu His Pro Asn Ser Tyr Tyr His Pro Val Phe Cys		
130	135	140
Met Ala Ile Leu Ala Arg		
145	150	

<210> 921
<211> 125
<212>Amino acid
<213> Homo sapiens

<400> 921		
Ile Met Tyr Ser Ile Ser Pro Ala Asn Ser Glu Glu Gly Gln Glu Leu		
1	5	10
Tyr Val Cys Thr Val Lys Asp Asp Val Asn Leu Asp Thr Val Leu Leu		
20	25	30
Leu Pro Phe Leu Lys Glu Ile Ala Val Ser Gln Leu Asp Gln Leu Ser		
35	40	45
Pro Glu Glu Gln Leu Leu Val Lys Cys Ala Ala Ile Ile Gly His Ser		
50	55	60
Phe His Ile Asp Leu Leu Gln His Leu Leu Pro Gly Trp Asp Lys Asn		
65	70	75
Lys Leu Leu Gln Val Leu Arg Ala Leu Val Asp Ile His Val Leu Cys		
85	90	95
Trp Ser Asp Lys Ser Gln Glu Leu Pro Ala Glu Pro Ile Leu Met Pro		
100	105	110
Ser Ser Ile Asp Ile Ile Asp Gly Thr Lys Glu Lys Lys		

115

120

125

<210> 922
<211> 111
<212>Amino acid
<213> Homo sapiens

<400> 922
Gly Pro His Val Val Leu Val Leu Arg Arg Cys Phe Leu Leu Ser Tyr
1 5 10 15
Phe Lys Gly Val Glu Lys Ala Lys Ala Met Pro Ser Pro Arg Ile Leu
20 25 30
Lys Thr His Leu Ser Thr Gln Leu Leu Pro Pro Ser Phe Trp Glu Asn
35 40 45
Asn Cys Lys Val Arg Tyr Gln Gln Leu Pro Val Thr Glu Gly Lys Val
50 55 60
Ser Gln Pro Lys Arg Val Leu Gln Thr Pro Thr Gln Ser Ile Arg Asp
65 70 75 80
His Leu Cys Leu Ser Thr Val Ser Asp Ala Tyr Gln Gln Arg Glu Asn
85 90 95
Ile Lys Phe Tyr Ile Gln Gln Asp Ile His Leu Asn Ser Phe Lys
100 105 110 111

<210> 923
<211> 69
<212>Amino acid
<213> Homo sapiens

<400> 923
Phe Tyr Tyr Ile Cys Arg Leu Ser Lys Glu Asp Lys Ala Phe Leu Trp
1 5 10 15
Glu Lys Arg Tyr Tyr Cys Phe Lys His Pro Asn Cys Leu Pro Lys Ile
20 25 30
Leu Ala Ser Ala Pro Asn Trp Lys Trp Val Asn Leu Ala Lys Thr Tyr
35 40 45
Ser Leu Leu His Gln Trp Pro Ala Leu Tyr Pro Leu Ile Ala Leu Glu
50 55 60
Leu Leu Asp Ser Lys
65 69

<210> 924
<211> 120
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(120)
<223> X = any amino acid or stop code

<400> 924

Lys	Met	Met	Ile	Xaa	Gly	Leu	Phe	Glu	Ile	Gln	Gln	Cys	Pro	Ile	Gly
1									5		10				15
Lys	His	Cys	Asn	Phe	Leu	Gln	Val	Leu	Arg	Asn	Pro	Asn	Arg	Asp	Leu
									20		25				30
Trp	Leu	Val	Ser	Ser	Phe	Gly	Lys	Ser	Ser	Lys	Gly	Arg	Glu	Arg	Met
									35		40				45
Gly	His	His	Asp	Glu	Tyr	Tyr	Arg	Leu	Arg	Gly	Arg	His	Asn	Pro	Ser
									50		55				60
Pro	Asp	His	Ser	Tyr	Lys	Arg	Asn	Gly	Glu	Ser	Glu	Arg	Lys	Arg	Lys
									65		70				80
Lys	Ser	His	Xaa	His	Met	Ser	Lys	Ser	Gln	Glu	Arg	His	Asn	Ser	Pro
									85		90				95
Ser	Arg	Gly	Arg	Asn	Ser	Asp	Arg	Ser	Gly	Gly	Arg	Cys	Ser	Arg	Ser
									100		105				110
Asp	Asn	Gly	Arg	Ser	Arg	Tyr	Arg								
									115		120				

<210> 925

<211> 108

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(108)

<223> X = any amino acid or stop code

<400> 925

Pro	Leu	Ser	Leu	Phe	Ala	Arg	Val	Ala	Gly	Ser	Arg	Val	Glu	Met	Pro
1									5		10				15
Glu	Pro	Pro	Gly	Leu	Gly	Asp	Glu	Gly	Arg	Pro	Leu	Leu	His	Pro	Gly
									20		25				30
Arg	Arg	Glu	Ala	Val	Gly	Ser	Trp	Val	Ser	Ala	Phe	Ala	Gly	Asp	Ser
									35		40				45
Thr	Pro	Cys	Gly	Pro	Gly	Asp	Leu	Ser	Val	Pro	Arg	Arg	Glu	Pro	Phe
									50		55				60
Arg	Leu	Thr	Ala	Leu	Xaa	Pro	His	Arg	Ser	Pro	Val	Val	Arg	Thr	Ser
									65		70				80
Leu	Ile	Gly	Leu	Leu	Leu	Gly	Phe	Ser	Val	Lys	Glu	Glu	Leu	Arg	Gly
									85		90				95
Val	Gly	Trp	Ala	Ala	Arg	Thr	Pro	Leu	Gly	Ile	Arg				
									100		105				108

<210> 926

<211> 305

<212>Amino acid

<213> Homo sapiens

<400> 926

Phe	Asp	Lys	Arg	Gln	His	Glu	Ala	Arg	Ile	Gln	Gln	Met	Glu	Asn	Glu
1									5		10				15
Ile	His	Tyr	Leu	Gln	Glu	Asn	Leu	Lys	Ser	Met	Glu	Glu	Ile	Gln	Gly

	20	25	30												
Leu	Thr	Asp	Leu	Gln	Leu	Gln	Glu	Ala	Asp	Glu	Glu	Lys	Glu	Arg	Ile
			35		40								45		
Leu	Ala	Gln	Leu	Arg	Glu	Leu	Glu	Lys	Lys	Lys	Lys	Leu	Glu	Asp	Ala
			50		55							60			
Lys	Ser	Gln	Glu	Gln	Val	Phe	Gly	Leu	Asp	Lys	Glu	Leu	Lys	Lys	Leu
			65		70						75				80
Lys	Lys	Ala	Val	Ala	Thr	Ser	Asp	Lys	Leu	Ala	Thr	Ala	Glu	Leu	Thr
			85							90				95	
Ile	Ala	Lys	Asp	Gln	Leu	Lys	Ser	Leu	His	Gly	Thr	Val	Met	Lys	Ile
			100			105						110			
Asn	Gln	Glu	Arg	Ala	Glu	Glu	Leu	Gln	Glu	Ala	Glu	Arg	Phe	Ser	Arg
			115			120						125			
Lys	Ala	Ala	Gln	Ala	Ala	Arg	Asp	Leu	Thr	Arg	Ala	Glu	Ala	Glu	Ile
			130			135						140			
Glu	Leu	Leu	Gln	Asn	Leu	Leu	Arg	Gln	Lys	Gly	Glu	Gln	Phe	Arg	Leu
			145			150					155				160
Glu	Met	Glu	Lys	Thr	Gly	Val	Gly	Thr	Gly	Ala	Asn	Ser	Gln	Val	Leu
			165			170						175			
Glu	Ile	Glu	Lys	Leu	Asn	Glu	Thr	Met	Glu	Arg	Gln	Arg	Thr	Glu	Ile
			180			185						190			
Ala	Arg	Leu	Gln	Asn	Val	Leu	Tyr	Leu	Thr	Gly	Ser	Asp	Asn	Lys	Gly
			195			200						205			
Gly	Phe	Glu	Asn	Val	Leu	Glu	Ile	Ala	Glu	Leu	Arg	Arg	Glu	Gly	
			210			215						220			
Ser	Tyr	Gln	Asn	Asp	Tyr	Ile	Ser	Ser	Met	Ala	Asp	Pro	Phe	Lys	Arg
			225			230					235				240
Arg	Gly	Tyr	Trp	Tyr	Phe	Met	Pro	Pro	Pro	Pro	Ser	Ser	Lys	Val	Ser
			245			250						255			
Ser	His	Ser	Ser	Gln	Ala	Thr	Lys	Asp	Ser	Gly	Val	Gly	Leu	Lys	Tyr
			260			265						270			
Ser	Ala	Ser	Thr	Pro	Val	Arg	Lys	Pro	Arg	Pro	Gly	Gln	Gln	Asp	Gly
			275			280						285			
Lys	Glu	Gly	Ser	Gln	Pro	Pro	Pro	Ala	Ser	Gly	Tyr	Trp	Val	Tyr	Ser
			290			295						300			
Pro															
			305												

<210> 927
<211> 303
<212>Amino acid
<213> Homo sapiens

	<400> 927														
Ser	Asp	Ala	Ser	Ser	Phe	Lys	Thr	Arg	Val	Ile	Val	Val	Pro	Arg	Pro
										1	5	10		15	
Arg	Val	Phe	Pro	Leu	Gly	Ser	Ala	Ile	Thr	Glu	Asn	Ser	Leu	Glu	Ser
										20	25	30			
Asp	Ser	Gln	Ile	Gly	Gln	Phe	Gly	Val	Gly	Phe	Tyr	Ser	Ala	Phe	Leu
										35	40	45			
Val	Ala	Asp	Lys	Val	Ile	Val	Thr	Ser	Lys	His	Asn	Asn	Asp	Thr	Gln
										50	55	60			
His	Ile	Trp	Glu	Ser	Asp	Ser	Asn	Glu	Phe	Ser	Val	Ile	Ala	Asp	Pro
										65	70	75	80		
Arg	Gly	Asn	Thr	Leu	Gly	Arg	Gly	Thr	Thr	Ile	Thr	Leu	Val	Leu	Lys
										85	90	95			
Glu	Glu	Ala	Ser	Asp	Tyr	Leu	Glu	Leu	Asp	Thr	Ile	Lys	Asn	Leu	Val
										100	105	110			
Lys	Lys	Tyr	Ser	Gln	Phe	Ile	Asn	Phe	Ile	Tyr	Val	Trp	Ser	Ser	

115	120	125
Lys Thr Glu Thr Val Glu Glu Pro Met Glu Glu Glu Ala Ala Lys		
130	135	140
Glu Glu Lys Glu Glu Ser Asp Asp Glu Ala Ala Val Glu Glu Glu		
145	150	155
Glu Glu Lys Lys Pro Lys Thr Lys Lys Val Glu Lys Thr Val Trp Asp		
165	170	175
Trp Glu Leu Met Asn Asp Ile Lys Pro Ile Trp Gln Arg Pro Ser Lys		
180	185	190
Glu Val Glu Glu Asp Glu Tyr Lys Ala Phe Tyr Lys Ser Phe Ser Lys		
195	200	205
Glu Ser Asp Asp Pro Met Ala Tyr Ile His Phe Thr Ala Glu Gly Glu		
210	215	220
Val Thr Phe Lys Ser Ile Leu Phe Val Pro Thr Ser Ala Pro Arg Gly		
225	230	235
Leu Phe Asp Glu Tyr Gly Ser Lys Lys Ser Asp Tyr Ile Lys Leu Tyr		
245	250	255
Val Arg Arg Val Phe Ile Thr Asp Asp Phe His Asp Met Met Pro Lys		
260	265	270
Tyr Leu Asn Phe Val Lys Gly Val Val Asp Ser Asp Asp Leu Pro Leu		
275	280	285
Asn Val Ser Arg Glu Thr Leu Gln Gln His Lys Leu Leu Lys Val		
290	295	300
		303

<210> 928
 <211> 147
 <212>Amino acid
 <213> Homo sapiens

<400> 928																
Cys	Gly	Ser	Trp	Met	Arg	Arg	Ala	Leu	Ile	Pro	Pro	Cys	Arg	Gly	Gly	
1				5.					10				15			
Pro	Ser	Ala	Ser	Asp	Arg	Cys	Cys	Ser	Cys	Ser	Pro	Ser	Gly	Phe	Ser	
									20	25			30			
Ala	Gly	Arg	Gly	Arg	Cys	Pro	Val	Gln	Gly	Cys	Leu	Arg	Pro	His	Arg	
									35	40			45			
Val	Gln	Leu	Leu	Arg	Arg	Trp	Gly	Pro	Gly	Ser	Pro	Ala	Gly	Gln	Arg	
								50	55			60				
Leu	Ser	Lys	Gly	Phe	Gln	Leu	Leu	Arg	Trp	Trp	Gly	Pro	Gly	Ser	Pro	
								65	70	75			80			
Ala	Pro	Glu	Pro	Arg	Lys	Gly	Pro	Phe	Pro	Pro	Pro	Asp	Pro	Pro	Trp	
								85	90			95				
Pro	Val	Thr	Ala	Val	Thr	Val	Met	Ala	Gly	Ser	Val	Pro	Ser	Ala	Gln	
								100	105			110				
Ser	Val	Asp	Ala	Leu	Glu	Ser	Pro	Gly	Pro	Leu	Ala	Leu	Glu	Gly	Pro	
								115	120			125				
Ser	Ser	Pro	Arg	Asn	Leu	Leu	Trp	Arg	Glu	Met	Ser	Ile	Phe	Leu	Pro	
								130	135			140				
Gly	Ile	Phe														
145	147															

<210> 929
 <211> 183
 <212>Amino acid
 <213> Homo sapiens

<400> 929

Pro Gly Pro Thr Pro Pro Pro Arg His Gly Ser Pro Pro His Arg Leu
 1 5 10 15
 Ile Arg Val Glu Thr Pro Gly Pro Pro Ala Pro Pro Ala Asp Glu Arg
 20 25 30
 Ile Ser Gly Pro Pro Ala Ser Ser Asp Arg Leu Ala Ile Leu Glu Asp
 35 40 45
 Tyr Ala Asp Pro Phe Asp Val Gln Glu Thr Gly Glu Gly Ser Ala Gly
 50 55 60
 Ala Ser Gly Ala Pro Glu Lys Val Pro Glu Asn Asp Gly Tyr Met Glu
 65 70 75 80
 Pro Tyr Glu Ala Gln Lys Met Met Ala Glu Ile Arg Gly Ser Lys Glu
 85 90 95
 Thr Ala Thr Gln Pro Leu Pro Leu Tyr Asp Thr Pro Tyr Glu Pro Glu
 100 105 110
 Glu Asp Gly Ala Thr Pro Glu Gly Glu Gly Ala Pro Trp Pro Arg Glu
 115 120 125
 Ser Arg Leu Pro Glu Asp Asp Glu Arg Pro Pro Glu Glu Tyr Asp Gln
 130 135 140
 Pro Trp Glu Trp Lys Lys Glu Arg Ile Ser Lys Ala Phe Ala Val Asp
 145 150 155 160
 Ile Lys Val Ile Lys Asp Leu Pro Trp Pro Pro Pro Val Gly Gln Leu
 165 170 175
 Asp Ser Ser Pro Ser Leu Pro
 180 183

<210> 930
<211> 187
<212>Amino acid
<213> Homo sapiens

<400> 930

Gln Phe Phe Ser Leu Phe Leu Arg Tyr Gln Ile His Thr Gly Leu Gln
 1 5 10 15
 His Ser Ile Ile Arg Pro Thr Gln Pro Asn Cys Leu Pro Leu Asp Asn
 20 25 30
 Ala Thr Leu Pro Gln Lys Leu Lys Glu Val Gly Tyr Ser Thr His Met
 35 40 45
 Val Gly Lys Trp His Leu Gly Phe Tyr Arg Lys Glu Cys Met Pro Thr
 50 55 60
 Arg Arg Gly Phe Asp Thr Phe Gly Ser Leu Leu Gly Ser Gly Asp
 65 70 75 80
 Tyr Tyr Thr His Tyr Lys Cys Asp Ser Pro Gly Met Cys Gly Tyr Asp
 85 90 95
 Leu Tyr Glu Asn Asp Asn Ala Ala Trp Asp Tyr Asp Asn Gly Ile Tyr
 100 105 110
 Ser Thr Gln Met Tyr Thr Gln Arg Val Gln Gln Ile Leu Ala Ser His
 115 120 125
 Asn Pro Thr Lys Pro Ile Phe Leu Tyr Ile Ala Tyr Gln Ala Val His
 130 135 140
 Ser Pro Leu Gln Ala Pro Gly Arg Tyr Phe Glu His Tyr Arg Ser Ile
 145 150 155 160
 Ile Asn Ile Asn Arg Arg Arg Tyr Ala Ala Met Leu Ser Cys Leu Asp
 165 170 175
 Glu Ala Ile Asn Asn Val Thr Leu Ala Leu Lys
 180 185 187

<210> 931
 <211> 192
 <212>Amino acid
 <213> Homo sapiens

<400> 931
 Arg Val Arg Lys Gly Arg Gly Gly Glu Arg Leu Gln Ser Pro Leu Arg
 1 5 10 15
 Val Pro Gln Lys Pro Glu Arg Pro Pro Leu Pro Pro Lys Pro Gln Phe
 20 25 30
 Leu Asn Ser Gly Ala Tyr Pro Gln Lys Pro Leu Arg Asn Gln Gly Val
 35 40 45
 Val Arg Thr Leu Ser Ser Ala Gln Glu Asp Ile Ile Arg Trp Phe
 50 55 60
 Lys Glu Glu Gln Leu Pro Leu Arg Ala Gly Tyr Gln Lys Thr Ser Asp
 65 70 75 80
 Thr Ile Ala Pro Trp Phe His Gly Ile Leu Thr Leu Lys Lys Ala Asn
 85 90 95
 Glu Leu Leu Leu Ser Thr Gly Met Pro Gly Ser Phe Leu Ile Arg Val
 100 105 110
 Ser Glu Arg Ile Lys Gly Tyr Ala Leu Ser Tyr Leu Ser Glu Asp Gly
 115 120 125
 Cys Lys His Phe Leu Ile Asp Ala Ser Ala Asp Ala Tyr Ser Phe Leu
 130 135 140
 Gly Val Asp Gln Leu Gln His Ala Thr Leu Ala Asp Leu Val Glu Tyr
 145 150 155 160
 His Lys Glu Glu Pro Ile Thr Ser Leu Gly Lys Glu Leu Leu Tyr
 165 170 175
 Pro Cys Gly Gln Gln Asp Gln Leu Pro Asp Tyr Leu Glu Leu Phe Glu
 180 185 190 192

<210> 932
 <211> 545
 <212>Amino acid
 <213> Homo sapiens

<400> 932
 Gly Ser Leu Glu Lys Ala Leu Phe Gln Leu Leu Lys Val Trp Gly Gln
 1 5 10 15
 Trp Ala Glu Gln Thr Arg Arg Leu Gln Arg Leu Asp Val Ser Leu Ser
 20 25 30
 Val Ala Arg Val Arg Ser Ala Gly Pro Ser Cys Gln Asn Lys Gly Asp
 35 40 45
 Leu Val Met Glu Ala Leu Leu Glu Gly Ile Gln Asn Arg Gly His Gly
 50 55 60
 Gly Gly Phe Leu Thr Ser Cys Glu Ala Glu Leu Gln Glu Leu Met Lys
 65 70 75 80
 Gln Ile Asp Ile Met Val Ala His Lys Lys Ser Glu Trp Glu Gly Arg
 85 90 95
 Thr His Ala Leu Glu Thr Cys Leu Lys Ile Arg Glu Gln Glu Leu Lys
 100 105 110
 Ser Leu Arg Ser Gln Leu Asp Val Thr His Lys Glu Val Gly Met Leu

115	120	125
His Gln Gln Val Glu Glu His Glu Lys Ile Lys Gln Glu Met Thr Met		
130	135	140
Glu Tyr Lys Gln Glu Leu Lys Lys Leu His Glu Glu Leu Cys Ile Leu		
145	150	155
Lys Arg Ser Tyr Glu Lys Leu Gln Lys Lys Gln Met Arg Glu Phe Arg		
165	170	175
Gly Asn Thr Lys Asn His Arg Glu Asp Arg Ser Glu Ile Glu Arg Leu		
180	185	190
Thr Ala Lys Ile Glu Glu Phe Arg Gln Lys Ser Leu Asp Trp Glu Lys		
195	200	205
Gln Arg Leu Ile Tyr Gln Gln Val Ser Ser Leu Glu Ala Gln Arg		
210	215	220
Lys Ala Leu Ala Glu Gln Ser Glu Ile Ile Gln Ala Gln Leu Val Asn		
225	230	235
Arg Lys Gln Lys Leu Glu Ser Val Glu Leu Ser Ser Gln Ser Glu Ile		
245	250	255
Gln His Leu Ser Ser Lys Leu Glu Arg Ala Asn Asp Thr Ile Cys Ala		
260	265	270
Asn Glu Leu Glu Ile Glu Arg Leu Thr Met Arg Val Asn Asp Leu Val		
275	280	285
Gly Thr Ser Met Thr Val Leu Gln Glu Gln Gln Lys Glu Glu Lys		
290	295	300
Leu Arg Glu Ser Glu Lys Leu Leu Glu Ala Leu Gln Glu Glu Lys Arg		
305	310	315
Glu Leu Lys Ala Ala Leu Gln Ser Gln Glu Asn Leu Ile His Glu Ala		
325	330	335
Arg Ile Gln Lys Glu Lys Leu Gln Glu Lys Val Lys Ala Thr Asn Thr		
340	345	350
Gln His Ala Val Glu Ala Ile Ser Leu Glu Ser Val Ser Ala Thr Cys		
355	360	365
Lys Gln Leu Ser Gln Glu Leu Met Glu Lys Tyr Glu Glu Leu Lys Arg		
370	375	380
Met Glu Ala His Asn Asn Glu Tyr Lys Ala Glu Ile Lys Lys Leu Lys		
385	390	395
Glu Gln Ile Leu Gln Gly Glu Gln Ser Tyr Ser Ser Ala Leu Glu Gly		
405	410	415
Met Lys Met Glu Ile Ser His Leu Thr Gln Glu Leu His Gln Arg Asp		
420	425	430
Ile Thr Ile Ala Ser Thr Lys Gly Ser Ser Ser Asp Met Glu Lys Arg		
435	440	445
Leu Arg Ala Glu Met Gln Lys Ala Glu Asp Lys Ala Val Glu His Lys		
450	455	460
Glu Ile Leu Asp Gln Leu Glu Ser Leu Lys Leu Glu Asn Arg His Leu		
465	470	475
Ser Glu Met Val Met Lys Leu Glu Leu Gly Leu His Glu Cys Ser Leu		
485	490	495
Pro Val Ser Pro Leu Gly Ser Ile Ala Thr Arg Phe Leu Glu Glu Glu		
500	505	510
Glu Leu Arg Ser His His Ile Leu Glu Arg Leu Asp Ala His Ile Glu		
515	520	525
Glu Leu Lys Arg Glu Ser Glu Lys Thr Val Arg Gln Phe Thr Ala Leu		
530	535	540
Lys		
545		

<210> 933
<211> 297
<212>Amino acid
<213> Homo sapiens

<400> 933

Thr Gly Phe Leu Gly Trp Ser Gln Gly Pro Ser Leu Thr Pro Thr Ser
 1 5 10 15
 Leu Ser Ala Leu Tyr Pro Ser Gln Val Glu Glu Thr Gly Val Val Leu
 20 25 30
 Ser Leu Glu Gln Thr Glu Gln His Ser Arg Arg Pro Ile Gln Arg Gly
 35 40 45
 Ala Pro Ser Gln Lys Asp Thr Pro Asn Pro Gly Asp Ser Leu Asp Thr
 50 55 60
 Pro Gly Pro Arg Ile Leu Ala Phe Leu His Pro Pro Ser Leu Ser Glu
 65 70 75 80
 Ala Ala Leu Ala Ala Asp Pro Arg Arg Phe Cys Ser Pro Asp Leu Arg
 85 90 95
 Arg Leu Leu Gly Pro Ile Leu Asp Gly Ala Ser Val Ala Ala Thr Pro
 100 105 110
 Ser Thr Pro Leu Ala Thr Arg His Pro Gln Ser Pro Leu Ser Ala Asp
 115 120 125
 Leu Pro Asp Glu Leu Pro Val Gly Thr Glu Asn Val His Arg Leu Phe
 130 135 140
 Thr Ser Gly Lys Asp Thr Glu Ala Val Glu Thr Asp Leu Asp Ile Ala
 145 150 155 160
 Gln Asp Ala Asp Ala Leu Asp Leu Glu Met Leu Ala Pro Tyr Ile Ser
 165 170 175
 Met Asp Asp Asp Phe Gln Leu Asn Ala Ser Glu Gln Leu Pro Arg Ala
 180 185 190
 Tyr His Arg Pro Leu Gly Ala Val Pro Arg Pro Arg Ala Arg Ser Phe
 195 200 205
 His Gly Leu Ser Pro Pro Ala Leu Glu Pro Ser Leu Leu Pro Arg Trp
 210 215 220
 Gly Ser Asp Pro Arg Leu Ser Cys Ser Ser Pro Ser Arg Gly Asp Pro
 225 230 235 240
 Ser Ala Ser Ser Pro Met Ala Gly Ala Arg Lys Arg Thr Leu Ala Gln
 245 250 255
 Ser Ser Lys Asp Glu Asp Glu Gly Val Glu Leu Leu Gly Val Arg Pro
 260 265 270
 Pro Lys Arg Ser Pro Ser Pro Glu His Glu Asn Phe Leu Leu Phe Pro
 275 280 285
 Leu Ser Leu Ser Phe Leu Leu Thr Gly
 290 295 297

<210> 934

<211> 140

<212>Amino acid

<213> Homo sapiens

<400> 934

Glu Leu Gln Asp Cys Phe Asp Val His Asp Ala Ser Trp Glu Glu Gln
 1 5 10 15
 Ile Phe Trp Gly Trp His Asn Asp Val His Ile Phe Asp Thr Lys Thr
 20 25 30
 Gln Thr Trp Phe Gln Pro Glu Ile Lys Gly Gly Val Pro Pro Gln Pro
 35 40 45
 Arg Ala Ala His Thr Cys Ala Val Leu Gly Asn Lys Gly Tyr Ile Phe
 50 55 60
 Gly Gly Arg Val Leu Gln Thr Arg Met Asn Asp Leu His Tyr Leu Asn
 65 70 75 80
 Leu Asp Thr Trp Thr Trp Ser Gly Arg Ile Thr Ile Asn Gly Glu Ser

85	90	95
Pro Lys His Arg Ser Trp His Thr Leu Thr Pro Ile Ala Asp Asp Lys		
100	105	110
Leu Phe Leu Cys Gly Gly Leu Asn Ala Tyr Asn Met Pro Leu Ser Asp		
115	120	125
Gly Trp Ile His Asn Val Thr Thr His Cys Trp Lys		
130	135	140

<210> 935
<211> 97
<212>Amino acid
<213> Homo sapiens

<400> 935																
Phe	Phe	Phe	Leu	Arg	Thr	Arg	Ser	His	Ser	Val	Thr	Pro	Arg	Trp	Glu	
1																
															15	
Cys	Ser	Asp	Asp	Ile	Thr	Ala	His	Trp	Gln	Pro	Gln	Pro	Trp	Gly	Ser	
															30	
Ser	Asp	Pro	Leu	Thr	Phe	Ser	Arg	Pro	Gln	Val	Val	Val	Pro	Pro	Arg	
															45	
His	Thr	Thr	Leu	Cys	Pro	Ala	Asn	Phe	Phe	Val	Val	Phe	Cys	Ile	Phe	Cys
															55	
Arg	Asn	Arg	Ile	Ser	Pro	Cys	Trp	Pro	Gly	Trp	Ser	Arg	Thr	Pro	Trp	
															80	
Ala	Gln	Leu	Ile	Arg	Leu	Pro	Arg	Pro	Pro	Lys	Val	Leu	Gly	Leu	Gln	
															95	
Val																
															97	

<210> 936
<211> 245
<212>Amino acid
<213> Homo sapiens

<400> 936																
Pro	Arg	Glu	Gly	Gln	Val	Lys	Gln	Gly	Leu	Leu	Gly	Asp	Cys	Trp	Phe	
1																
															15	
Leu	Cys	Ala	Cys	Ala	Ala	Leu	Gln	Lys	Ser	Arg	His	Leu	Leu	Asp	Gln	
															30	
Val	Ile	Pro	Pro	Gly	Gln	Pro	Ser	Trp	Ala	Asp	Gln	Glu	Tyr	Arg	Gly	
															45	
Ser	Phe	Thr	Cys	Arg	Ile	Trp	Gln	Phe	Gly	Arg	Trp	Val	Glu	Val	Thr	
															60	
Thr	Asp	Asp	Arg	Leu	Pro	Cys	Leu	Ala	Gly	Arg	Leu	Cys	Phe	Ser	Arg	
															80	
Cys	Gln	Arg	Glu	Asp	Val	Phe	Trp	Leu	Pro	Leu	Leu	Glu	Lys	Val	Tyr	
															95	
Ala	Lys	Val	His	Gly	Ser	Tyr	Glu	His	Leu	Trp	Ala	Gly	Gln	Val	Ala	
															110	
Asp	Ala	Leu	Val	Asp	Leu	Thr	Gly	Gly	Leu	Ala	Glu	Arg	Trp	Asn	Leu	
															125	
Lys	Gly	Val	Ala	Gly	Ser	Gly	Gly	Gln	Gln	Asp	Arg	Pro	Gly	Arg	Trp	
															140	
Glu	His	Arg	Thr	Cys	Arg	Gln	Leu	Leu	His	Leu	Lys	Asp	Gln	Cys	Leu	

145	150	155	160
Ile Ser Cys Cys Val Leu Ser Pro Arg Ala Gly Glu Ala Arg Gly Gln			
165	170	175	
His Gly Arg Ala Ala Ala Ser Val Pro Pro Thr Ala Arg Pro Gln Ala			
180	185	190	
His Cys Ser Phe Leu Cys Asp Trp Leu His Ser Pro Val Arg Thr Lys			
195	200	205	
Trp Glu Glu Val Ser Leu Phe Ser Arg Val Val Ser Ser Val Cys Asp			
210	215	220	
Leu Pro Leu Leu Ser Ser Arg Gly Thr Trp Pro Phe Ser Pro Leu			
225	230	235	240
Thr Ser Pro Phe His			
245			

<210> 937
 <211> 211
 <212>Amino acid
 <213> Homo sapiens

<400> 937			
Ala Glu Cys Leu Glu Ala Ser Ile Ala Arg Tyr Ala His Arg Val Ala			
1	5	10	15
Asn Ser Arg Tyr Thr Phe Asp Gly Glu Thr Val Thr Leu Ser Pro Ser			
20	25	30	
Gln Gly Val Asn Gln Leu His Gly Gly Pro Glu Gly Phe Asp Lys Arg			
35	40	45	
Arg Trp Gln Ile Val Asn Gln Asn Asp Arg Gln Val Leu Phe Ala Leu			
50	55	60	
Ser Ser Asp Asp Gly Asp Gln Gly Phe Pro Gly Asn Leu Gly Ala Thr			
65	70	75	80
Val Gln Tyr Arg Leu Thr Asp Asp Asn Arg Ile Ser Ile Thr Tyr Arg			
85	90	95	
Ala Thr Val Asp Lys Pro Cys Pro Val Asn Met Thr Asn His Val Tyr			
100	105	110	
Phe Asn Leu Asp Gly Glu Gln Ser Asp Val Arg Asn His Lys Leu Gln			
115	120	125	
Ile Leu Ala Asp Glu Tyr Leu Pro Val Asp Glu Gly Gly Ile Pro His			
130	135	140	
Asp Gly Leu Lys Ser Val Ala Gly Thr Ser Phe Asp Phe Arg Ser Ala			
145	150	155	160
Lys Ile Ile Ala Ser Glu Phe Leu Ala Asp Asp Asp Gln Arg Lys Val			
165	170	175	
Lys Gly Tyr Asp His Ala Phe Leu Leu Gln Ala Lys Gly Asp Gly Lys			
180	185	190	
Lys Val Ala Ala His Val Trp Ser Ala Asp Glu Lys Leu Gln Leu Lys			
195	200	205	
Val Tyr Thr			
210 211			

<210> 938
 <211> 118
 <212>Amino acid
 <213> Homo sapiens

<400> 938
 Pro Leu Ser Arg Phe Leu Ser Lys Glu Ser Gln Glu Asp Trp Gly Met
 1 5 10 15
 Glu Arg Gln Ser Arg Val Met Ser Glu Lys Asp Glu Tyr Gln Phe Gln
 20 25 30
 His Gln Gly Ala Val Glu Leu Leu Val Phe Asn Phe Leu Leu Ile Leu
 35 40 45
 Thr Ile Leu Thr Ile Trp Leu Phe Lys Asn His Arg Phe Arg Phe Leu
 50 55 60
 His Glu Thr Gly Gly Ala Met Val Tyr Asp Lys Pro Pro Lys Phe Ala
 65 70 75 80
 Met Ser Arg Glu Gln Met Ser Gln Ser Cys Ser His Thr Ala His Asn
 85 90 95
 Ala Ser Leu Leu Thr Asp Ala Gly Pro Leu Ser Cys Gly Glu Ser Arg
 100 105 110
 Ala Ser Cys Leu Phe Leu
 115 118

<210> 939
<211> 143
<212>Amino acid
<213> Homo sapiens

<400> 939
 Asp Ser Lys Glu Pro Arg Leu Gln Gln Leu Gly Leu Leu Glu Glu
 1 5 10 15
 Gln Leu Arg Gly Leu Gly Phe Arg Gln Thr Arg Gly Tyr Lys Ser Leu
 20 25 30
 Ala Gly Cys Leu Gly His Gly Pro Leu Val Leu Gln Leu Leu Ser Phe
 35 40 45
 Thr Leu Leu Ala Gly Leu Leu Val Gln Val Ser Lys Val Pro Ser Ser
 50 55 60
 Ile Ser Gln Glu Gln Ser Arg Gln Asp Ala Ile Tyr Gln Asn Leu Thr
 65 70 75 80
 Gln Leu Lys Ala Ala Val Gly Glu Leu Ser Glu Lys Ser Lys Leu Gln
 85 90 95
 Glu Ile Tyr Gln Glu Leu Thr Gln Leu Lys Ala Ala Val Gly Glu Leu
 100 105 110
 Pro Glu Lys Ser Lys Leu Gln Glu Ile Tyr Gln Glu Leu Thr Trp Leu
 115 120 125
 Lys Ala Ala Val Gly Glu Leu Pro Glu Lys Ser Lys Met Gln Glu
 130 135 140 143

<210> 940
<211> 63
<212>Amino acid
<213> Homo sapiens

<400> 940
 Met Gln Ser Ile Ala Trp Gly His Arg Arg Asp Arg Gly Glu Ser Pro
 1 5 10 15
 Leu Gly Trp Gly Gln Glu Ser Glu Ala Ser Pro Ser Ala Leu Thr Glu
 20 25 30
 Ala Pro Lys Ala Ala His Thr Thr Arg Leu Gly Phe Leu Ala Ala Asn

35	40	45
Asn Pro Asn Gly His Ser Gln Pro Gln Asp Ser Phe Leu Leu		*
50	55	60
		62

<210> 941
<211> 238
<212>Amino acid
<213> Homo sapiens

<400> 941		
Phe Glu Thr Leu Ser Met Arg Gly Ile Pro His Met Leu Ala Leu Gly		
1	5	10
Pro Gln Gln Leu Leu Ala Gln Asp Glu Glu Gly Asp Thr Leu Leu His		
20	25	30
Leu Phe Ala Ala Arg Gly Leu Arg Trp Ala Ala Tyr Ala Ala Ala Glu		
35	40	45
Val Leu Gln Val Tyr Arg Arg Leu Asp Ile Arg Glu His Lys Gly Lys		
50	55	60
Thr Pro Leu Leu Val Ala Ala Ala Asn Gln Pro Leu Ile Val Glu		
65	70	75
Asp Leu Leu Asn Leu Gly Ala Glu Pro Asn Ala Ala Asp His Gln Gly		
85	90	95
Arg Ser Val Leu His Val Ala Ala Thr Tyr Gly Leu Pro Gly Val Leu		
100	105	110
Leu Ala Val Leu Asn Ser Gly Val Gln Val Asp Leu Glu Ala Arg Asp		
115	120	125
Phe Glu Gly Leu Thr Pro Leu His Thr Ala Ile Leu Ala Leu Asn Val		
130	135	140
Ala Met Arg Pro Ser Asp Leu Cys Pro Arg Val Leu Ser Thr Gln Ala		
145	150	155
Arg Asp Arg Leu Asp Cys Val His Met Leu Leu Gln Met Gly Ala Asn		
165	170	175
His Thr Ile Gln Val Ser Gly Asp Val Gly Gly Gln Thr Leu Gly Asp		
180	185	190
Cys Val Glu Trp Gly His Leu Asp Val Arg Glu Leu Gln Ala Asn Ala		
195	200	205
Asp Phe Ala Ser Ser Leu Leu Arg Ala Leu Glu His Val Thr Ser Leu		
210	215	220
Leu Cys Ala Leu Arg Val Phe Cys Leu Phe Leu Cys Gln Leu		
225	230	235
		238

<210> 942
<211> 158
<212>Amino acid
<213> Homo sapiens

<400> 942		
Asp Ala Trp Ala Asp Ala Trp Val Gly Thr Lys Met Ala Asp Leu Asp		
1	5	10
Ser Pro Pro Lys Leu Ser Gly Val Gln Gln Pro Ser Glu Gly Val Gly		
20	25	30
Gly Gly Arg Cys Ser Glu Ile Ser Ala Glu Leu Ile Arg Ser Leu Thr		
35	40	45
Glu Leu Gln Glu Leu Glu Ala Val Tyr Glu Arg Leu Cys Gly Glu Glu		

50	55	60
Lys Val Val Glu Arg Glu Leu Asp Ala Leu Leu Glu Gln Gln Asn Thr		
65	70	75
Ile Glu Ser Lys Met Val Thr Leu His Arg Met Gly Pro Asn Leu Gln		80
85	90	95
Leu Ile Glu Gly Asp Ala Lys Gln Leu Ala Gly Met Ile Thr Phe Thr		
100	105	110
Cys Asn Leu Ala Glu Asn Val Ser Ser Lys Val Arg Gln Leu Asp Leu		
115	120	125
Ala Lys Asn Arg Leu Tyr Gln Ala Ile Gln Arg Ala Asp Asp Ile Leu		
130	135	140
Asp Leu Lys Phe Cys Met Asp Gly Val Gln Thr Ala Leu Arg		
145	150	155
		158

<210> 943
<211> 235
<212>Amino acid
<213> Homo sapiens

<400> 943		
Ala Val Glu Phe Arg Val Pro Arg Ser Gly Ser Ala Tyr Leu Tyr Ser		
1	5	10
Tyr Val Thr Val Gly Glu Leu Trp Ala Phe Thr Thr Gly Trp Asn Leu		15
20	25	30
Ile Leu Ser Tyr Val Ile Gly Thr Ala Ser Val Ala Arg Ala Trp Ser		
35	40	45
Ser Ala Phe Asp Asn Leu Ile Gly Asn His Ile Ser Lys Thr Leu Gln		
50	55	60
Gly Ser Ile Ala Leu His Val Pro His Val Leu Ala Glu Tyr Pro Asp		
65	70	75
Phe Phe Ala Leu Gly Leu Val Leu Leu Thr Gly Leu Leu Ala Leu		80
85	90	95
Gly Ala Ser Glu Ser Ala Leu Val Thr Lys Val Phe Thr Gly Val Asn		
100	105	110
Leu Leu Val Leu Gly Phe Val Met Ile Ser Gly Phe Val Lys Gly Asp		
115	120	125
Val His Asn Trp Lys Leu Thr Glu Glu Asp Tyr Glu Leu Ala Met Ala		
130	135	140
Glu Leu Asn Asp Thr Tyr Ser Leu Gly Pro Leu Gly Ser Gly Gly Phe		
145	150	155
Val Pro Phe Gly Phe Glu Gly Ile Leu Arg Gly Ala Ala Thr Cys Phe		160
165	170	175
Tyr Ala Phe Val Gly Phe Asp Cys Ile Ala Thr Thr Gly Glu Glu Ala		
180	185	190
Gln Asn Pro Gln Arg Ser Ile Pro Met Gly Ile Gly Ile Ser Leu Ser		
195	200	205
Val Cys Phe Leu Ala Asp Phe Ala Val Ser Ser Ala Leu Thr Leu Met		
210	215	220
Met Pro Tyr Tyr Gln Leu Gln Pro Glu Ser Pro		
225	230	235

<210> 944
<211> 284
<212>Amino acid
<213> Homo sapiens

<400> 944

Gly Phe His Pro Asn Thr Thr His Tyr Arg Ala Arg Ala Ala Arg
 1 5 10 15
 Ala Gly Ala Gly Ser Phe Val Gly Glu Val Ser Ala Val Asp Lys Asp
 20 25 30
 Phe Gly Pro Asn Gly Glu Val Arg Tyr Ser Phe Glu Met Val Gln Pro
 35 40 45
 Asp Phe Glu Leu His Ala Ile Ser Gly Glu Ile Thr Asn Thr His Gln
 50 55 60
 Phe Asp Arg Glu Ser Leu Met Arg Arg Arg Gly Thr Ala Val Phe Ser
 65 70 75 80
 Phe Thr Val Ile Ala Thr Asp Gln Gly Ile Pro Gln Pro Leu Lys Asp
 85 90 95
 Gln Ala Thr Val His Val Tyr Met Lys Asp Ile Asn Asp Asn Ala Pro
 100 105 110
 Lys Phe Leu Lys Asp Phe Tyr Gln Ala Thr Ile Ser Glu Ser Ala Ala
 115 120 125
 Asn Leu Thr Gln Val Leu Arg Val Ser Ala Ser Asp Val Asp Glu Gly
 130 135 140
 Asn Asn Gly Leu Ile His Tyr Ser Ile Ile Lys Gly Asn Glu Glu Arg
 145 150 155 160
 Gln Phe Ala Ile Asp Ser Thr Ser Gly Gln Val Thr Leu Ile Gly Lys
 165 170 175
 Leu Asp Tyr Glu Ala Thr Pro Ala Tyr Ser Leu Val Ile Gln Ala Val
 180 185 190
 Asp Ser Gly Thr Ile Pro Leu Asn Ser Thr Cys Thr Leu Asn Ile Asp
 195 200 205
 Ile Leu Asp Glu Asn Asp Asn Thr Pro Phe Phe Leu Leu Asn Gln His
 210 215 220
 Phe Phe Val Asp Val Leu Glu Asn Met Arg Ile Gly Glu Leu Gly Ala
 225 230 235 240
 Ser Gly Thr Ala Thr Asp Ser Asp Ser Gly Asp Ile Ala Asp Leu Tyr
 245 250 255
 Tyr Lys Phe Thr Gly Thr Lys His Pro Pro Gly Thr Phe Ser Ile Ser
 260 265 270
 Pro Lys His Leu Gly Val Phe Phe Leu Ala Gln Lys
 275 280 284

<210> 945

<211> 119

<212>Amino acid

<213> Homo sapiens

<400> 945

Gly Asp Cys Tyr Asp Leu Tyr Gly Gly Glu Lys Phe Ala Thr Leu Ala
 1 5 10 15
 Glu Leu Val Gln Tyr Tyr Met Glu His His Gly Gln Leu Lys Glu Lys
 20 25 30
 Asn Gly Asp Val Ile Glu Leu Lys Asn Pro Leu Asn Cys Ala Asp Pro
 35 40 45
 Thr Ser Gln Arg Trp Phe His Gly His Leu Ser Gly Lys Glu Ala Glu
 50 55 60
 Lys Leu Leu Thr Glu Lys Gly Lys His Ser Ser Phe Leu Val Arg Glu
 65 70 75 80
 Ser Gln Ser His Pro Gly Asp Phe Val Leu Ser Val Cys Thr Gly Asp
 85 90 95
 Asp Lys Gly Glu Ser Asn Asp Gly Lys Ser Lys Val Thr His Val Met

100	105	110
Ile His Cys Gln Glu Leu Lys		
115	119	

<210> 946
<211> 166
<212>Amino acid
<213> Homo sapiens

<400> 946
Ile Asp Ser Gly Asn Gln Asn Gly Gly Asn Asp Asp Lys Thr Lys Asn
1 5 10 15
Ala Glu Arg Asn Tyr Leu Asn Val Leu Pro Gly Glu Phe Tyr Ile Thr
20 25 30
Arg His Ser Asn Leu Ser Glu Ile His Val Ala Phe His Leu Cys Val
35 40 45
Asp Asp His Val Lys Ser Gly Asn Ile Thr Ala Arg Asp Pro Ala Ile
50 55 60
Met Gly Leu Arg Asn Ile Leu Lys Val Cys Cys Thr His Asp Ile Thr
65 70 75 80
Thr Ile Ser Ile Pro Leu Leu Leu Val His Asp Met Ser Glu Glu Met
85 90 95
Thr Ile Pro Trp Cys Leu Arg Arg Ala Glu Leu Val Phe Lys Cys Val
100 105 110
Lys Gly Phe Met Met Glu Met Ala Ser Trp Asp Gly Gly Ile Ser Arg
115 120 125
Thr Val Gln Phe Leu Val Pro Gln Ser Ile Ser Glu Glu Met Phe Tyr
130 135 140
Gln Leu Ser Asn Met Leu Pro Gln Ile Phe Arg Val Ser Ser Thr Leu
145 150 155 160
Thr Leu Thr Ser Lys His
165 166

<210> 947
<211> 121
<212>Amino acid
<213> Homo sapiens

<400> 947
Ser Ile Leu Pro Ala Leu Leu Val Thr Ile Leu Ile Phe Met Asp Gln
1 5 10 15
Gln Ile Thr Ala Val Ile Val Asn Arg Lys Glu Asn Lys Leu Lys Lys
20 25 30
Ala Ala Gly Tyr His Leu Asp Leu Phe Trp Val Gly Ile Leu Met Ala
35 40 45
Leu Cys Ser Phe Met Gly Leu Pro Trp Tyr Val Ala Ala Thr Val Ile
50 55 60
Ser Ile Ala His Ile Asp Ser Leu Lys Met Glu Thr Glu Thr Ser Ala
65 70 75 80
Pro Gly Glu Gln Pro Gln Phe Leu Gly Val Arg Glu Gln Arg Val Thr
85 90 95
Gly Ile Ile Val Phe Ile Leu Thr Gly Ile Ser Val Phe Leu Ala Pro
100 105 110
Ile Leu Lys Cys Ile Pro Leu Pro Val

115

120 121

<210> 948
<211> 191
<212>Amino acid
<213> Homo sapiens

<400> 948
Gly Ala Ser Arg Val Glu Ala Gly Ser Ala Asn Gly Met Leu Ile Asp
1 5 10 15
Gly Gly Ser Gln Ile Val Lys Val Gln Gly His Ala Asp Gly Thr Thr
20 25 30
Ile Asn Lys Ser Gly Ser Gln Asp Val Val Gln Gly Ser Leu Ala Thr
35 40 45
Asn Thr Thr Ile Asn Gly Gly Arg Gln Tyr Val Glu Gln Ser Thr Val
50 55 60
Glu Thr Thr Thr Ile Lys Asn Gly Gly Glu Gln Arg Val Tyr Glu Ser
65 70 75 80
Arg Ala Leu Asp Thr Thr Ile Glu Gly Gly Thr Gln Ser Leu Asn Ser
85 90 95
Lys Ser Thr Ala Lys Asn Thr His Ile Tyr Ser Gly Gly Thr Gln Ile
100 105 110
Val Asp Asn Thr Ser Thr Ser Asp Val Ile Glu Val Tyr Ser Gly Gly
115 120 125
Val Leu Asp Val Arg Gly Gly Thr Ala Thr Asn Val Thr Gln His Asp
130 135 140
Gly Ala Ile Leu Lys Thr Asn Thr Asn Gly Thr Thr Val Ser Gly Thr
145 150 155 160
Asn Ser Glu Gly Ala Phe Ser Ile His Asn His Val Ala Asp Asn Val
165 170 175
Leu Leu Glu Asn Gly Gly His Leu Asp Ile Asn Ala Tyr Gly Ser
180 185 190 191

<210> 949
<211> 98
<212>Amino acid
<213> Homo sapiens

<400> 949
Phe Phe Ser Ser Ile Gln Leu Thr Asp Asp Gln Gly Pro Val Leu Met
1 5 10 15
Thr Thr Val Ala Met Pro Val Phe Ser Lys Gln Asn Glu Thr Arg Ser
20 25 30
Lys Gly Ile Leu Leu Gly Val Val Gly Thr Asp Val Pro Val Lys Glu
35 40 45
Leu Leu Lys Thr Ile Pro Lys Tyr Lys Val Met Asn Asp Leu Ile Pro
50 55 60
Glu Ile Lys Ala Thr Glu Met Pro Arg Ala Leu Phe Ser Gln Ser Ser
65 70 75 80
Gly Phe Lys Leu Tyr Phe Gly Ala Met Phe Leu Leu Thr Thr Ile Thr
85 90 95
Ala Cys
98

<210> 950
<211> 196
<212>Amino acid
<213> Homo sapiens

<400> 950
Ser Cys Ser Gly Thr Gly Thr Asn Ala Cys Tyr Met Glu Asp Met Ser
1 5 10 15
Asn Ile Asp Leu Val Glu Gly Asp Glu Gly Arg Met Cys Ile Asn Thr
20 25 30
Glu Trp Gly Ala Phe Gly Asp Asp Gly Ala Leu Glu Asp Ile Arg Thr
35 40 45
Glu Phe Asp Arg Glu Leu Asp Leu Gly Ser Leu Asn Pro Gly Lys Gln
50 55 60
Leu Phe Glu Lys Met Ile Ser Gly Leu Tyr Leu Gly Glu Leu Val Arg
65 70 75 80
Leu Ile Leu Lys Met Ala Lys Ala Gly Leu Leu Phe Gly Gly Glu
85 90 95
Lys Ser Ser Ala Leu His Thr Lys Gly Lys Ile Glu Thr Arg His Val
100 105 110
Ala Ala Met Glu Lys Tyr Lys Glu Gly Leu Ala Asn Thr Arg Glu Ile
115 120 125
Leu Val Asp Leu Gly Leu Glu Pro Ser Glu Ala Asp Cys Ile Ala Val
130 135 140
Gln His Val Cys Thr Ile Val Ser Phe Arg Ser Ala Asn Leu Cys Ala
145 150 155 160
Ala Ala Leu Ala Ala Ile Leu Thr Arg Leu Arg Glu Asn Lys Val
165 170 175
Glu Arg Leu Arg Thr Thr Val Gly Met Asp Gly Thr Leu Tyr Lys Ile
180 185 190
His Pro Gln Tyr
195 196

<210> 951
<211> 721
<212>Amino acid
<213> Homo sapiens

<400> 951
Phe Val Ala Ile Ala Thr Asn Gly Val Val Pro Ala Gly Gly Ser Tyr
1 5 10 15
Tyr Met Ile Ser Arg Ser Leu Gly Pro Glu Phe Gly Gly Ala Val Gly
20 25 30
Leu Cys Phe Tyr Leu Gly Thr Thr Phe Ala Gly Ala Met Tyr Ile Leu
35 40 45
Gly Thr Ile Glu Ile Leu Leu Ala Tyr Leu Phe Pro Ala Met Ala Ile
50 55 60
Phe Lys Ala Glu Asp Ala Ser Gly Glu Ala Ala Ala Met Leu Asn Asn
65 70 75 80
Met Arg Val Tyr Gly Thr Cys Val Leu Thr Cys Met Ala Thr Val Val
85 90 95
Phe Val Gly Val Lys Tyr Val Asn Lys Phe Ala Leu Val Phe Leu Gly
100 105 110
Cys Val Ile Leu Ser Ile Leu Ala Ile Tyr Ala Gly Val Ile Lys Ser

115	120	125
Ala Phe Asp Pro Pro Asn Phe Pro Ile Cys Leu Leu Gly Asn Arg Thr		
130	135	140
Leu Ser Arg His Gly Phe Asp Val Cys Ala Lys Leu Ala Trp Glu Gly		
145	150	155
Asn Glu Thr Val Thr Thr Arg Leu Trp Gly Leu Phe Cys Ser Ser Arg		
165	170	175
Phe Leu Asn Ala Thr Cys Asp Glu Tyr Phe Thr Arg Asn Asn Val Thr		
180	185	190
Glu Ile Gln Gly Ile Pro Gly Ala Ala Ser Gly Leu Ile Lys Glu Asn		
195	200	205
Leu Trp Ser Ser Tyr Leu Thr Lys Gly Val Ile Val Glu Arg Ser Gly		
210	215	220
Met Thr Ser Val Gly Leu Ala Asp Gly Thr Pro Ile Asp Met Asp His		
225	230	235
Pro Tyr Val Phe Ser Asp Met Thr Ser Tyr Phe Thr Leu Leu Val Gly		
245	250	255
Ile Tyr Phe Pro Ser Val Thr Gly Ile Met Ala Gly Ser Asn Arg Ser		
260	265	270
Gly Asp Leu Arg Asp Ala Gln Lys Ser Ile Pro Thr Gly Thr Ile Leu		
275	280	285
Ala Ile Ala Thr Thr Ser Ala Val Tyr Ile Ser Ser Val Val Leu Phe		
290	295	300
Gly Ala Cys Ile Glu Gly Val Val Leu Arg Asp Lys Phe Gly Glu Ala		
305	310	315
Val Asn Gly Asn Leu Val Val Gly Thr Leu Ala Trp Pro Ser Pro Trp		
325	330	335
Val Ile Val Ile Gly Ser Phe Phe Ser Thr Cys Gly Ala Gly Leu Gln		
340	345	350
Ser Leu Thr Gly Ala Pro Arg Leu Leu Gln Ala Ile Ser Arg Asp Gly		
355	360	365
Ile Val Pro Phe Leu Gln Val Phe Gly His Gly Lys Ala Asn Gly Glu		
370	375	380
Pro Thr Trp Ala Leu Leu Thr Ala Cys Ile Cys Glu Ile Gly Ile		
385	390	395
Leu Ile Ala Ser Leu Asp Glu Val Ala Pro Ile Leu Ser Met Phe Phe		
405	410	415
Leu Met Cys Tyr Met Phe Val Asn Leu Ala Cys Ala Val Gln Thr Leu		
420	425	430
Leu Arg Thr Pro Asn Trp Arg Pro Arg Phe Arg Tyr Tyr His Trp Thr		
435	440	445
Leu Ser Phe Leu Gly Met Ser Leu Cys Leu Ala Leu Met Phe Ile Cys		
450	455	460
Ser Trp Tyr Tyr Ala Leu Val Ala Met Leu Ile Ala Gly Leu Ile Tyr		
465	470	475
Lys Tyr Ile Glu Tyr Arg Gly Ala Lys Lys Glu Trp Gly Asp Gly Ile		
485	490	495
Arg Gly Leu Ser Leu Ser Ala Ala Arg Tyr Ala Leu Leu Arg Leu Glu		
500	505	510
Glu Gly Pro Pro His Thr Lys Asn Trp Arg Pro Gln Leu Leu Val Leu		
515	520	525
Val Arg Val Asp Gln Asp Gln Asn Val Val His Pro Gln Leu Leu Ser		
530	535	540
Leu Thr Ser Gln Leu Lys Ala Gly Lys Gly Leu Thr Ile Val Gly Ser		
545	550	555
Val Leu Glu Gly Thr Phe Leu Glu Asn His Pro Gln Ala Gln Arg Ala		
565	570	575
Glu Glu Ser Ile Arg Arg Leu Met Glu Ala Glu Lys Val Lys Gly Phe		
580	585	590
Cys Gln Val Val Ile Ser Ser Asn Leu Arg Asp Gly Val Ser His Leu		
595	600	605
Ile Gln Ser Gly Gly Leu Gly Gly Leu Gln His Asn Thr Val Leu Val		
610	615	620
Gly Trp Pro Arg Asn Trp Arg Gln Lys Glu Asp His Gln Thr Trp Arg		

625	630	635	640
Asn Phe Ile Glu Leu Val Arg Glu Thr Thr Ala Gly His Leu Ala Leu			
645	650	655	
Leu Val Thr Lys Asn Val Ser Met Phe Pro Gly Asn Pro Glu Arg Phe			
660	665	670	
Ser Glu Gly Ser Ile Asp Arg Trp Gly Ile Gly His Asp Gly Gly Met			
675	680	685	
Leu Met Leu Val Pro Phe Leu Leu Arg His His Lys Val Trp Arg Lys			
690	695	700	
Cys Lys Met Arg Ile Phe Thr Val Ala Gln Met Val Asp Met His Ala			
705	710	715	720
Met			
721			

<210> 952
 <211> 42
 <212>Amino acid
 <213> Homo sapiens

<400> 952			
Phe Tyr Leu Arg Leu Leu Ser Phe Phe Cys Phe Gln Glu His Glu Lys			
1	5	10	15
Arg Cys Trp Ser Val Asp Phe Asn Leu Met Asp Pro Lys Leu Leu Ala			
20	25	30	
Ser Gly Ser Asp Asp Ala Lys Gly Thr Val			
35	40	42	

<210> 953
 <211> 80
 <212>Amino acid
 <213> Homo sapiens

<400> 953			
Arg Asn Ser Lys Ala Met His Arg Ser Ser Cys Asp Gly Pro Leu Leu			
1	5	10	15
Ser Leu Pro Ser Val Gly Arg Ser Ala Thr His Ala Leu Val Gln Ala			
20	25	30	
Gln Leu Ile Cys Ser Gly Ala Arg Arg Gly Met His Ala Phe Ile Val			
35	40	45	
Pro Ile Arg Ser Leu Gln Asp His Thr Pro Leu Pro Gly Lys Pro Ile			
50	55	60	
Met Leu Pro Gln Gly Thr Leu Pro Gly Gly Glu Pro Arg Trp Pro Pro			
65	70	75	80

<210> 954
 <211> 202
 <212>Amino acid
 <213> Homo sapiens

<400> 954

Cys Gly Thr Leu Ile Leu Gln Ala Arg Ala Tyr Val Gly Pro His Val
 1 5 10 15
 Leu Ala Val Val Thr Arg Thr Gly Phe Cys Thr Ala Lys Gly Gly Leu
 20 25 30
 Val Ser Ser Ile Leu His Pro Arg Pro Ile Asn Phe Lys Phe Tyr Lys
 35 40 45
 His Ser Met Lys Phe Val Ala Ala Leu Ser Val Leu Ala Leu Leu Gly
 50 55 60
 Thr Ile Tyr Ser Ile Phe Ile Leu Tyr Arg Asn Arg Val Pro Leu Asn
 65 70 75 80
 Glu Ile Val Ile Arg Ala Leu Asp Leu Val Thr Val Val Pro Pro
 85 90 95
 Ala Leu Pro Ala Ala Met Thr Val Cys Thr Leu Tyr Ala Gln Ser Arg
 100 105 110
 Leu Arg Arg Gln Gly Ile Phe Cys Ile His Pro Leu Arg Ile Asn Leu
 115 120 125
 Gly Gly Lys Leu Gln Leu Val Cys Phe Asp Lys Thr Gly Thr Leu Thr
 130 135 140
 Glu Asp Gly Leu Asp Val Met Gly Val Val Pro Leu Lys Gly Gln Ala
 145 150 155 160
 Phe Leu Pro Leu Val Pro Glu Pro Arg Arg Leu Pro Val Gly Pro Leu
 165 170 175
 Leu Arg Ala Leu Ala Thr Cys His Ala Leu Ser Arg Leu Gln Asp Thr
 180 185 190
 Pro Val Gly Asp Pro Met Asp Leu Lys Met
 195 200 202

<210> 955

<211> 188

<212>Amino acid

<213> Homo sapiens

<400> 955

Gln Ile Glu Tyr Phe Arg Ser Leu Leu Asp Glu His His Ile Ser Tyr
 1 5 10 15
 Val Ile Asp Glu Asp Val Lys Ser Gly Arg Tyr Met Glu Leu Glu Gln
 20 25 30
 Arg Tyr Met Asp Leu Ala Glu Asn Ala Arg Phe Glu Arg Glu Gln Leu
 35 40 45
 Leu Gly Val Gln Gln His Leu Ser Asn Thr Leu Lys Met Ala Glu Gln
 50 55 60
 Asp Asn Lys Glu Ala Gln Glu Met Ile Gly Ala Leu Lys Glu Arg Ser
 65 70 75 80
 His His Met Glu Arg Ile Ile Glu Ser Glu Gln Lys Gly Lys Ala Ala
 85 90 95
 Leu Ala Ala Thr Leu Glu Glu Tyr Lys Ala Thr Val Ala Ser Asp Gln
 100 105 110
 Ile Glu Met Asn Arg Leu Lys Ala Gln Leu Glu Asn Glu Lys Gln Lys
 115 120 125
 Val Ala Glu Leu Tyr Ser Ile His Asn Ser Gly Asp Lys Ser Asp Ile
 130 135 140
 Gln Asp Leu Leu Glu Ser Val Arg Leu Asp Lys Glu Lys Ala Glu Thr
 145 150 155 160
 Leu Ala Ser Ser Leu Gln Glu Asp Leu Ala His Thr Arg Asn Asp Ala
 165 170 175
 Asn Arg Leu Gln Asp Ala Ile Ala Lys Gly Arg Gly

180

185

188

<210> 956
<211> 132
<212>Amino acid
<213> Homo sapiens

<400> 956

Ala	Arg	Tyr	Arg	Phe	Thr	Leu	Ser	Ala	Arg	Thr	Gln	Val	Gly	Ser	Gly
1				5					10				15		
Glu	Ala	Val	Thr	Glu	Glu	Ser	Pro	Ala	Pro	Pro	Asn	Glu	Ala	Thr	Pro
			20						25				30		
Thr	Ala	Ala	Pro	Pro	Thr	Leu	Pro	Pro	Thr	Thr	Val	Gly	Ala	Thr	Gly
	35					40				45					
Ala	Val	Ser	Ser	Thr	Asp	Ala	Thr	Ala	Ile	Ala	Ala	Thr	Thr	Glu	Ala
	50					55			60						
Thr	Thr	Val	Pro	Ile	Ile	Pro	Thr	Val	Ala	Pro	Thr	Thr	Met	Ala	Thr
	65					70				75			80		
Thr	Thr	Thr	Val	Ala	Thr	Thr	Thr	Thr	Thr	Ala	Ala	Ala	Thr	Thr	
		85					90				95				
Thr	Thr	Glu	Ser	Pro	Pro	Thr	Thr	Thr	Ser	Gly	Thr	Lys	Ile	His	Glu
	100					105				110					
Ser	Ala	Pro	Asp	Glu	Gln	Ser	Ile	Trp	Asn	Val	Thr	Val	Leu	Pro	Asn
	115					120				125					
Ser	Lys	Trp	Ala												
	130		132												

<210> 957
<211> 220
<212>Amino acid
<213> Homo sapiens

<400> 957

Leu	Lys	Ser	Thr	Gln	Asp	Glu	Ile	Asn	Gln	Ala	Arg	Ser	Lys	Leu	Ser
1					5				10				15		
Gln	Leu	His	Glu	Ser	Arg	Gln	Glu	Ala	His	Arg	Ser	Leu	Glu	Gln	Tyr
			20					25				30			
Asp	Gln	Val	Leu	Asp	Gly	Ala	His	Gly	Ala	Ser	Leu	Thr	Asp	Leu	Ala
	35					40			45						
Asn	Leu	Ser	Glu	Gly	Val	Ser	Leu	Ala	Glu	Arg	Gly	Ser	Phe	Gly	Ala
	50					55			60						
Met	Asp	Asp	Pro	Phe	Lys	Asn	Lys	Ala	Leu	Leu	Phe	Ser	Asn	Asn	Thr
	65				70				75			80			
Gln	Glu	Leu	His	Pro	Asp	Pro	Phe	Gln	Thr	Glu	Asp	Pro	Phe	Lys	Ser
		85				90				95					
Asp	Pro	Phe	Lys	Gly	Ala	Asp	Pro	Phe	Lys	Gly	Asp	Pro	Phe	Gln	Asn
	100					105				110					
Asp	Pro	Phe	Ala	Glu	Gln	Gln	Thr	Thr	Ser	Thr	Asp	Pro	Phe	Gly	Gly
	115					120			125						
Asp	Pro	Phe	Lys	Glu	Ser	Asp	Pro	Phe	Arg	Gly	Ser	Ala	Thr	Asp	Asp
	130					135			140						
Phe	Phe	Lys	Lys	Gln	Thr	Lys	Asn	Asp	Pro	Phe	Thr	Ser	Asp	Pro	Phe
145					150				155			160			
Thr	Lys	Asn	Pro	Ser	Leu	Pro	Ser	Lys	Leu	Asp	Pro	Phe	Glu	Ser	Ser

	165	170	175
Asp Pro Phe Ser	Ser Ser Ser Val	Ser Lys Gly Ser Asp	Pro Phe
180	185	190	
Gly Thr Leu Asp Pro Phe	Gly Ser Gly Ser Phe Asn	Ser Ala Glu	Gly
195	200	205	
Phe Ala Asp Phe Ser	Thr Ile Glu Gly Arg Arg	Gly	
210	215	220	

<210> 958
<211> 250
<212>Amino acid
<213> Homo sapiens

<400> 958			
Arg Thr Arg Gly	Gly Ser Gly Asn Ser Ser Gln Pro Ser	Leu Arg Glu	
1	5	10	15
Gly His Asp Lys	Pro Val Phe Asn Gly Ala Gly Lys	Pro His Ser	Ser
20	25	30	
Thr Ser Ser Pro	Ser Val Pro Lys Thr Ser Ala Ser Arg	Thr Gln Lys	
35	40	45	
Ser Ala Val Glu	His Lys Ala Lys Lys Ser	Leu Ser His Pro Ser	His
50	55	60	
Ser Arg Pro Gly	Pro Met Val Thr Pro His Asn Lys Ala Lys	Ser Pro	
65	70	75	80
Gly Val Arg Gln	Pro Gly Ser Ser Ser Ser Ala Pro Gly Gln Pro		
85	90	95	
Ser Thr Gly Val	Ala Arg Pro Thr Val Ser Ser Gly Pro Val Pro Arg		
100	105	110	
Arg Gln Asn Gly	Ser Ser Ser Ser Gly Pro Glu Arg Ser Ile Ser Gly		
115	120	125	
Ser Lys Lys Pro	Thr Asn Asp Ser Asn Pro Ser Arg Arg	Thr Val Ser	
130	135	140	
Gly Thr Cys Gly	Pro Gly Gln Pro Ala Ser Ser Gly Gly Pro Gly		
145	150	155	160
Arg Pro Ile Ser	Gly Ser Val Ser Ser Ala Arg Pro Leu Gly Ser	Ser	
165	170	175	
Arg Gly Pro Gly	Arg Pro Val Ser Ser Pro His Glu Leu Arg Arg	Pro	
180	185	190	
Val Ser Gly	Leu Gly Pro Pro Gly Arg Ser Val Ser Gly Pro Gly Arg		
195	200	205	
Ser Ile Ser Gly	Ser Ile Pro Ala Gly Arg Thr Val Ser Asn Ser Val		
210	215	220	
Pro Gly Arg Pro	Val Ser Ser Leu Gly Pro Gly Gln Thr Val Ser	Ser	
225	230	235	240
Ser Gly Pro Thr	Ile Lys Pro Lys Cys Thr		
245	250		

<210> 959
<211> 48
<212>Amino acid
<213> Homo sapiens

<400> 959
Arg Gly Lys Gly Ile Thr Pro Arg Tyr His Leu Cys Ile Ser Asp Pro

1	5	10	15
His Asn Leu Lys Ile Cys Cys Arg Val Asn Gly Glu Val Val Gln Ser			
20	25	30	
Ser Asn Thr Asn Gln Met Val Phe Lys Thr Glu Asp Leu Ile Ala Trp			
35	40	45	48

<210> 960
<211> 63
<212>Amino acid
<213> Homo sapiens

<400> 960			
Val Val Ala Val Thr Arg Trp Leu Cys Glu Asn Gly Val Ser Tyr Leu			
1	5	10	15
Arg Lys Cys Val Cys Ser Ala Cys Arg His Gly Thr Arg Cys Ala Gly			
20	25	30	
Glu Val Ala Ala Ala Ala Asn Asn Ser His Cys Thr Val Gly Ile Ala			
35	40	45	
Phe Asn Ala Lys Ile Gly Gly Met Gly Asn Gln Leu Thr Trp Met			
50	55	60	63

<210> 961
<211> 59
<212>Amino acid
<213> Homo sapiens

<400> 961			
Gly Ala Pro Pro Phe Val Pro Thr Leu Lys Ser Asp Asp Asp Thr			
1	5	10	15
Ser Asn Phe Asp Glu Pro Lys Lys Asn Ser Trp Val Ser Ser Ser Pro			
20	25	30	
Cys Gln Leu Ser Pro Ser Gly Phe Ser Gly Glu Glu Leu Pro Phe Val			
35	40	45	
Gly Phe Ser Tyr Ser Lys Ala Leu Gly Ile Leu			
50	55	59	

<210> 962
<211> 140
<212>Amino acid
<213> Homo sapiens

<400> 962			
Phe Val Glu Arg Leu Ala His Leu His Ala Ala Cys Ala Pro Arg Arg			
1	5	10	15
Lys Val Ala Leu Leu Leu Glu Val Cys Arg Asp Val Tyr Ala Gly Leu			
20	25	30	
Ala Arg Gly Glu Asn Gln Asp Pro Leu Gly Ala Asp Ala Phe Leu Pro			

35	40	45
Ala Leu Thr Glu Glu Leu Ile Trp Ser Pro Asp Ile Gly Asp Thr Gln		
50	55	60
Leu Asp Val Glu Phe Leu Met Glu Leu Leu Asp Pro Asp Glu Leu Arg		
65	70	75
Gly Glu Ala Gly Tyr Tyr Leu Thr Thr Trp Phe Gly Ala Leu His His		
85	90	95
Ile Ala His Tyr Gln Pro Glu Thr Asp Arg Ala Pro Arg Gly Leu Ser		
100	105	110
Ser Glu Ala Arg Ala Ser Leu His Gln Trp His Arg Arg Arg Thr Leu		
115	120	125
His Arg Lys Asp His Pro Arg Ala Gln Gln Leu Asp		
130	135	140

<210> 963
<211> 153
<212>Amino acid
<213> Homo sapiens

<400> 963		
Phe Trp Met Asp Pro Tyr Asn Pro Leu Asn Phe Lys Ala Pro Phe Gln		
1	5	10
Thr Ser Gly Glu Asn Glu Lys Gly Cys Arg Asp Ser Lys Thr Pro Ser		
20	25	30
Glu Ser Ile Val Ala Ile Ser Glu Cys His Thr Leu Leu Ser Cys Lys		
35	40	45
Val Gln Leu Leu Gly Ser Gln Glu Ser Glu Cys Pro Asp Ser Val Gln		
50	55	60
Arg Asp Val Leu Ser Gly Gly Arg His Thr His Val Lys Arg Lys Lys		
65	70	75
Val Thr Phe Leu Glu Glu Val Thr Glu Tyr Tyr Ile Ser Gly Asp Glu		
85	90	95
Asp Arg Lys Gly Pro Trp Glu Glu Phe Ala Arg Asp Gly Cys Arg Phe		
100	105	110
Gln Lys Arg Ile Gln Glu Thr Glu Asp Ala Ile Gly Tyr Cys Leu Thr		
115	120	125
Phe Glu His Arg Glu Arg Met Phe Asn Arg Leu Gln Gly Thr Cys Phe		
130	135	140
Lys Gly Leu Asn Val Leu Lys Gln Cys		
145	150	153

<210> 964
<211> 54
<212>Amino acid
<213> Homo sapiens

<400> 964		
Ala Ala Ser Thr Ala Tyr Ser Phe Phe Gly Thr Val Glu Asn Met Ala		
1	5	10
Pro Lys Val Val Asn Arg Pro Gly His Thr Gln Ser Ala Asp Trp Gly		
20	25	30
Ser Phe Gly Gly Leu Met Gly Arg Phe Glu Phe Gly Ile Phe Leu Lys		
35	40	45
Gly Lys Glu Ile Val Lys		

50

54

<210> 965
<211> 39
<212>Amino acid
<213> Homo sapiens

<400> 965
Gly Phe Val Phe Leu Pro Gly Pro Met Ser Val Gly Leu Asp Phe Ser
1 5 10 15
Leu Pro Gly Met Glu His Val Tyr Gly Ile Pro Glu His Ala Asp Asn
20 25 30
Leu Arg Leu Lys Val Thr Glu
35 39

<210> 966
<211> 130
<212>Amino acid
<213> Homo sapiens

<400> 966
Gly Ser Glu Cys Gln Gly Thr Asp Leu Asp Thr Arg Asn Cys Thr Ser
1 5 10 15
Asp Leu Cys Val His Thr Ala Ser Gly Pro Glu Asp Val Ala Leu Tyr
20 25 30
Val Gly Leu Ile Ala Val Ala Val Cys Leu Val Leu Leu Leu Val
35 40 45
Leu Ile Leu Val Tyr Cys Arg Lys Lys Glu Gly Leu Asp Ser Asp Val
50 55 60
Ala Asp Ser Ser Ile Leu Thr Ser Gly Phe Gln Pro Val Ser Ile Lys
65 70 75 80
Pro Ser Lys Ala Asp Asn Pro His Leu Leu Thr Ile Gln Pro Asp Leu
85 90 95
Ser Thr Thr Thr Tyr Gln Gly Ser Leu Cys Pro Arg Gln Asp
100 105 110
Gly Pro Ser Pro Lys Phe Gln Leu Thr Asn Gly His Leu Leu Ser Pro
115 120 125
Leu Gly
130

<210> 967
<211> 259
<212>Amino acid
<213> Homo sapiens

<400> 967
Leu Ile Tyr Asn Glu Asp Met Ile Cys Trp Ile Glu Ser Arg Glu Ser
1 5 10 15
Ser Asn Gln Leu Lys Cys Ile Gln Ile Thr Lys Ala Gly Gly Leu Thr

	20	25	30
Asp Glu Trp Thr Ile Asn Ile Leu Gln Ser Phe His Asn Val Gln Gln			
35	40	45	
Met Ala Ile Asp Trp Leu Thr Arg Asn Leu Tyr Phe Val Asp His Val			
50	55	60	
Gly Asp Arg Ile Phe Val Cys Asn Ser Asn Gly Ser Val Cys Val Thr			
65	70	75	80
Leu Ile Asp Leu Glu Leu His Asn Pro Lys Ala Ile Ala Val Asp Pro			
85	90	95	
Ile Ala Gly Lys Leu Phe Phe Thr Asp Tyr Gly Asn Val Ala Lys Val			
100	105	110	
Glu Arg Cys Asp Met Asp Gly Met Asn Arg Thr Arg Ile Ile Asp Ser			
115	120	125	
Lys Thr Glu Gln Pro Ala Ala Leu Ala Leu Asp Leu Val Asn Lys Leu			
130	135	140	
Val Tyr Trp Val Asp Leu Tyr Leu Asp Tyr Val Gly Val Val Asp Tyr			
145	150	155	160
Gln Gly Lys Asn Arg His Ala Val Ile Gln Gly Arg Gln Val Arg His			
165	170	175	
Leu Tyr Gly Ile Thr Val Phe Glu Asp Tyr Leu Tyr Ala Thr Asn Ser			
180	185	190	
Asp Ser Tyr Asn Ile Val Arg Ile Ser Arg Phe Asn Gly Thr Asp Ile			
195	200	205	
His Ser Leu Ile Lys Ile Glu Asn Ala Trp Gly Ile Arg Ile Tyr Gln			
210	215	220	
Lys Arg Thr Gln Pro Thr Val Arg Ser His Ala Cys Glu Val Asp Pro			
225	230	235	240
Tyr Gly Met Pro Gly Gly Cys Ser His Ile Cys Leu Leu Ser Ser Ser			
245	250	255	
Tyr Thr Lys			
	259		

<210> 968
 <211> 161
 <212>Amino acid
 <213> Homo sapiens

	<400> 968		
Ser Ser Gly Asn Pro Gln Pro Gly Asp Ser Ser Gly Gly Gly Ala Gly			
1	5	10	15
Gly Gly Leu Pro Ser Pro Gly Glu Gln Glu Leu Ser Arg Arg Leu Gln			
20	25	30	
Arg Leu Tyr Pro Ala Val Asn Gln Gln Glu Thr Pro Leu Pro Arg Ser			
35	40	45	
Trp Ser Pro Lys Asp Lys Tyr Asn Tyr Ile Gly Leu Ser Gln Gly Asn			
50	55	60	
Leu Arg Val His Tyr Lys Gly His Gly Lys Asn His Lys Asp Ala Ala			
65	70	75	80
Ser Val Arg Ala Thr His Pro Ile Pro Ala Ala Cys Gly Ile Tyr Tyr			
85	90	95	
Phe Glu Val Lys Ile Val Ser Lys Gly Arg Asp Gly Tyr Met Gly Ile			
100	105	110	
Gly Leu Ser Ala Gln Gly Val Asn Met Asn Arg Leu Pro Gly Trp Asp			
115	120	125	
Lys His Ser Tyr Gly Tyr His Gly Asp Asp Gly His Ser Phe Cys Ser			
130	135	140	
Ser Gly Thr Gly Gln Pro Tyr Gly Pro Thr Phe Thr Thr Gly Asp Val			
145	150	155	160
Ile			

161

<210> 969
<211> 76
<212>Amino acid
<213> Homo sapiens

<400> 969
Phe Phe Phe Lys Met Gly Ser Arg Ser Val Thr Gln Ala Gly Val
1 5 10 15
Gln Trp Cys Asp Val Ser Ser Leu Gln Ala Pro Pro Pro Arg Phe Thr
20 25 30
Leu Phe Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr Arg Cys Val Pro
35 40 45
Pro Cys Pro Ala Asn Phe Phe Val Phe Leu Val Glu Thr Gly Phe His
50 55 60
Arg Val Ser Gln Tyr Gly Leu Asp Leu Leu Thr Ser
65 70 75 76

<210> 970
<211> 267
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(267)
<223> X = any amino acid or stop code

<400> 970
Gln Leu Ser Leu Ala Arg Gly Lys Val Phe Leu Cys Ala Leu Ser Phe
1 5 10 15
Val Tyr Phe Ala Lys Ala Leu Ala Glu Gly Tyr Leu Lys Ser Thr Ile
20 25 30
Thr Gln Ile Glu Arg Arg Val Asp Ile Pro Ser Ser Leu Val Gly Val
35 40 45
Ile Asp Gly Ser Phe Glu Ile Gly Asn Leu Leu Val Ile Thr Phe Val
50 55 60
Ser Tyr Phe Gly Ala Lys Leu His Arg Pro Lys Ile Ile Gly Ala Gly
65 70 75 80
Cys Val Ile Met Gly Val Gly Thr Leu Leu Ile Ala Met Pro Gln Phe
85 90 95
Phe Met Glu Gln Tyr Lys Tyr Glu Arg Tyr Ser Pro Ser Ser Asn Ser
100 105 110
Thr Leu Ser Ile Ser Pro Cys Leu Leu Glu Ser Ser Ser Gln Leu Pro
115 120 125
Val Ser Val Met Glu Lys Ser Lys Ser Lys Ile Ser Asn Glu Cys Glu
130 135 140
Val Asp Thr Ser Ser Ser Met Trp Ile Tyr Val Phe Leu Gly Asn Leu
145 150 155 160
Leu Arg Gly Ile Gly Glu Thr Pro Ile Gln Pro Leu Gly Ile Ala Tyr
165 170 175
Leu Asp Asp Phe Ala Ser Glu Asp Asn Ala Ala Phe Tyr Ile Gly Cys
180 185 190

Val Gln Thr Val Ala Ile Ile Gly Pro Ile Phe Gly Phe Leu Leu Gly
 195 200 205
 Ser Leu Cys Ala Lys Leu Tyr Val Asp Ile Gly Phe Val Asn Leu Asp
 210 215 220
 His Phe Xaa Val Ser Ala Gln Leu Gly Thr Arg Lys Gly Val Leu Val
 225 230 235 240
 Cys Leu Val Phe Cys Leu Leu Cys Gln Ser Ile Gly Arg Arg Leu Ser
 245 250 255
 Glu Glu His His His Ser Asp Arg Glu Lys Gly
 260 265 267

<210> 971
<211> 282
<212>Amino acid
<213> Homo sapiens

<400> 971
 Gln Pro Ala Gly Arg Val Glu Ala Phe Cys Lys Phe His Met Trp Ala
 1 5 10 15
 Glu Gly Met Thr Ser Leu Met Lys Ala Ala Leu Asp Leu Thr Tyr Pro
 20 25 30
 Ile Thr Ser Met Phe Ser Gly Ala Gly Phe Asn Ser Ser Ile Phe Ser
 35 40 45
 Val Phe Lys Asp Gln Gln Ile Glu Asp Leu Trp Ile Pro Tyr Phe Ala
 50 55 60
 Ile Thr Thr Asp Ile Thr Ala Ser Ala Met Arg Val His Thr Asp Gly
 65 70 75 80
 Ser Leu Trp Arg Tyr Val Arg Ala Ser Met Ser Leu Ser Gly Tyr Met
 85 90 95
 Pro Pro Leu Cys Asp Pro Lys Asp Gly His Leu Leu Met Asp Gly Gly
 100 105 110
 Tyr Ile Asn Asn Leu Pro Ala Asp Val Ala Arg Ser Met Gly Ala Lys
 115 120 125
 Val Val Ile Ala Ile Asp Val Gly Ser Arg Asp Glu Thr Asp Leu Thr
 130 135 140
 Asn Tyr Gly Asp Ala Leu Ser Gly Trp Trp Leu Leu Trp Lys Arg Trp
 145 150 155 160
 Asn Pro Leu Ala Thr Lys Val Lys Val Leu Asn Met Ala Glu Ile Gln
 165 170 175
 Thr Arg Leu Ala Tyr Val Cys Cys Val Arg Gln Leu Glu Val Val Lys
 180 185 190
 Ser Ser Asp Tyr Cys Glu Tyr Leu Arg Pro Pro Ile Asp Ser Tyr Ser
 195 200 205
 Thr Leu Asp Phe Gly Lys Phe Asn Glu Ile Cys Glu Val Gly Tyr Gln
 210 215 220
 His Gly Arg Thr Val Phe Asp Ile Trp Gly Arg Ser Gly Val Leu Glu
 225 230 235 240
 Lys Met Leu Arg Asp Gln Gln Gly Pro Ser Lys Lys Pro Ala Ser Ala
 245 250 255
 Val Leu Thr Cys Pro Asn Ala Ser Phe Thr Asp Leu Ala Glu Ile Val
 260 265 270
 Ser Arg Ile Glu Pro Ala Lys Pro Ala Met
 275 280 282

<210> 972
<211> 167
<212>Amino acid
<213> Homo sapiens

<400> 972

Leu	Trp	Val	Ile	Met	Phe	Val	Ser	Tyr	Leu	Ile	Leu	Thr	Leu	Leu	His
1				5					10					15	
Val	Gln	Thr	Ala	Val	Leu	Ala	Arg	Pro	Gly	Gly	Glu	Ser	Ile	Gly	Cys
				20				25			30				
Asp	Asp	Tyr	Leu	Gly	Ser	Asp	Lys	Val	Val	Asp	Lys	Cys	Gly	Val	Cys
				35			40			45					
Gly	Gly	Asp	Asn	Thr	Gly	Cys	Gln	Val	Val	Ser	Gly	Val	Phe	Lys	His
				50			55			60					
Ala	Leu	Thr	Ser	Leu	Gly	Tyr	His	Arg	Val	Val	Glu	Ile	Pro	Glu	Gly
	65				70				75					80	
Ala	Thr	Lys	Ile	Asn	Ile	Thr	Glu	Met	Tyr	Lys	Ser	Asn	Asn	Tyr	Leu
				85				90					95		
Ala	Leu	Arg	Ser	Arg	Ser	Gly	Arg	Ser	Ile	Ile	Asn	Gly	Asn	Trp	Ala
	100					105						110			
Ile	Asp	Arg	Pro	Gly	Lys	Tyr	Glu	Gly	Gly	Thr	Met	Phe	Thr	Tyr	
	115					120					125				
Lys	Arg	Pro	Asn	Glu	Ile	Ser	Ser	Thr	Ala	Gly	Glu	Ser	Phe	Leu	Ala
	130					135				140					
Glu	Gly	Pro	Thr	Asn	Glu	Ile	Leu	Asp	Val	Tyr	Val	Ser	Leu	Asp	Val
	145				150				155					160	
Ser	Gly	Leu	Phe	Phe	Gly	Phe									
	165				167										

<210> 973
<211> 140
<212>Amino acid
<213> Homo sapiens

<400> 973

Ile	Ser	Gly	Gly	Thr	Arg	Ser	Ala	Gly	Pro	Leu	Arg	Arg	Asn	Tyr	Asn
1				5				10					15		
Phe	Ile	Ala	Ala	Val	Val	Glu	Lys	Val	Ala	Pro	Ser	Val	Val	His	Val
				20				25				30			
Gln	Leu	Trp	Gly	Arg	Asn	Gln	Gln	Trp	Ile	Glu	Val	Val	Leu	Gln	Asn
				35			40			45					
Gly	Ala	Arg	Tyr	Glu	Ala	Val	Val	Lys	Asp	Ile	Asp	Leu	Lys	Leu	Asp
	50				55			60							
Leu	Ala	Val	Ile	Lys	Ile	Glu	Ser	Asn	Ala	Glu	Leu	Pro	Val	Leu	Met
	65				70				75					80	
Leu	Gly	Arg	Ser	Ser	Asp	Leu	Arg	Ala	Gly	Glu	Phe	Val	Val	Ala	Leu
				85				90				95			
Gly	Ser	Pro	Phe	Ser	Leu	Gln	Asn	Thr	Ala	Thr	Ala	Gly	Ile	Val	Ser
	100				105				110						
Thr	Lys	Gln	Arg	Gly	Gly	Lys	Glu	Leu	Gly	Met	Lys	Asp	Ser	Asp	Met
	115					120			125						
Asp	Tyr	Val	Gln	Ile	Asp	Ala	Thr	Ile	Asn	Tyr	Gly				
	130				135				140						

<210> 974
<211> 286
<212>Amino acid
<213> Homo sapiens

<400> 974

Pro Arg Val Arg Glu Leu Lys Glu Ile Leu Asp Arg Lys Gly His Phe
 1 5 10 15
 Ser Glu Asn Glu Thr Arg Trp Ile Ile Gln Ser Leu Ala Ser Ala Ile
 20 25 30
 Ala Tyr Leu His Asn Asn Asp Ile Val His Arg Asp Leu Lys Leu Glu
 35 40 45
 Asn Ile Met Val Lys Ser Ser Leu Ile Asp Asp Asn Asn Glu Ile Asn
 50 55 60
 Leu Asn Ile Lys Val Thr Asp Phe Gly Leu Ala Val Lys Lys Gln Ser
 65 70 75 80
 Arg Ser Glu Ala Met Leu Gln Ala Thr Cys Gly Thr Pro Ile Tyr Met
 85 90 95
 Ala Pro Glu Val Ile Ser Ala His Asp Tyr Ser Gln Gln Cys Asp Ile
 100 105 110
 Trp Ser Ile Gly Val Val Met Tyr Met Leu Leu Arg Gly Glu Pro Pro
 115 120 125
 Phe Leu Ala Ser Ser Glu Glu Lys Leu Phe Glu Leu Ile Arg Lys Gly
 130 135 140
 Glu Leu His Phe Glu Asn Ala Val Trp Asn Ser Ile Ser Asp Cys Ala
 145 150 155 160
 Lys Ser Val Leu Lys Gln Leu Met Lys Val Asp Pro Ala His Arg Ile
 165 170 175
 Thr Ala Lys Glu Leu Leu Asp Asn Gln Trp Leu Thr Gly Asn Lys Leu
 180 185 190
 Ser Ser Val Arg Pro Thr Asn Val Leu Glu Met Met Lys Glu Trp Lys
 195 200 205
 Asn Asn Pro Glu Ser Val Glu Glu Asn Thr Thr Glu Glu Lys Asn Lys
 210 215 220
 Pro Ser Thr Glu Glu Lys Leu Lys Ser Tyr Gln Pro Trp Gly Asn Val
 225 230 235 240
 Pro Glu Thr Asn Tyr Thr Ser Asp Glu Glu Glu Glu Lys Gln Val Gly
 245 250 255
 Arg Ile Ile Ala Ala Phe Leu Pro Ser Val Lys Tyr Pro His His Thr
 260 265 270
 Trp Asn Ile Phe Leu Gln Ile Cys Leu Phe Val Val Ser Leu
 275 280 285 286

<210> 975

<211> 155

<212>Amino acid

<213> Homo sapiens

<400> 975

Leu Ser Ile Ser Val Ser Asp Val Ser Leu Ser Asp Glu Gly Gln Tyr
 1 5 10 15
 Thr Cys Ser Leu Phe Thr Met Pro Val Lys Thr Ser Lys Ala Tyr Leu
 20 25 30
 Thr Val Leu Gly Val Pro Glu Lys Pro Gln Ile Ser Gly Phe Ser Ser
 35 40 45
 Pro Val Met Glu Gly Asp Leu Met Gln Leu Thr Cys Lys Thr Ser Gly
 50 55 60
 Ser Lys Pro Ala Ala Asp Ile Arg Trp Phe Lys Asn Asp Lys Glu Ile
 65 70 75 80

Lys Asp Val Lys Tyr Leu Lys Glu Glu Asp Ala Asn Arg Lys Thr Phe
 85 90 95
 Thr Val Ser Ser Thr Leu Asp Phe Arg Val Asp Arg Ser Asp Asp Gly
 100 105 110
 Val Ala Val Ile Cys Arg Val Asp His Glu Ser Leu Asn Ala Thr Pro
 115 120 125
 Gln Val Ala Met Gln Val Leu Glu Met His Tyr Thr Pro Ser Val Lys
 130 135 140
 Ile Ile Pro Ser Thr Pro Phe Pro Gln Glu Gly
 145 150 155

<210> 976
<211> 137
<212>Amino acid
<213> Homo sapiens

<400> 976
Tyr Asn Gln Lys Val Asp Leu Phe Ser Leu Gly Ile Ile Phe Phe Glu
 1 5 10 15
Met Ser Tyr His Pro Met Val Thr Ala Ser Glu Arg Ile Phe Val Leu
 20 25 30
Asn Gln Leu Arg Asp Pro Thr Ser Pro Lys Phe Pro Glu Asp Phe Asp
 35 40 45
Asp Gly Glu His Ala Lys Gln Lys Ser Val Ile Ser Trp Leu Leu Asn
 50 55 60
His Asp Pro Ala Lys Arg Pro Thr Ala Thr Glu Leu Leu Lys Ser Glu
 65 70 75 80
Leu Leu Pro Pro Pro Gln Met Glu Glu Ser Glu Leu His Glu Val Leu
 85 90 95
His His Thr Leu Thr Asn Val Asp Gly Lys Ala Tyr Arg Thr Ile Asp
 100 105 110
Gly Pro Arg Ser Phe Arg Gln Arg Ile Ser Pro Ala Ile Ala Tyr Thr
 115 120 125
Tyr Asp Ser Asp Ile Leu Lys Gly Asn
 130 135 137

<210> 977
<211> 246
<212>Amino acid
<213> Homo sapiens

<400> 977
Asp Gln Asp Tyr Lys Tyr Asp Ser Thr Ser Asp Asp Ser Asn Phe Leu
 1 5 10 15
Asn Pro Pro Arg Gly Trp Asp His Thr Ala Pro Gly His Arg Thr Phe
 20 25 30
Glu Thr Lys Asp Gln Pro Glu Tyr Asp Ser Thr Asp Gly Glu Gly Asp
 35 40 45
Trp Ser Leu Trp Ser Val Cys Ser Val Thr Cys Gly Asn Gly Asn Gln
 50 55 60
Lys Arg Thr Arg Ser Cys Gly Tyr Ala Cys Thr Ala Thr Glu Ser Arg
 65 70 75 80
Thr Cys Asp Arg Pro Asn Cys Pro Gly Ile Glu Asp Thr Phe Arg Thr
 85 90 95

Ala Ala Thr Glu Val Ser Leu Leu Ala Gly Ser Glu Glu Phe Asn Ala
 100 105 110
 Thr Lys Leu Phe Glu Val Asp Thr Asp Ser Cys Glu Arg Trp Met Ser
 115 120 125
 Cys Lys Ser Glu Phe Leu Lys Lys Tyr Met His Lys Val Met Asn Asp
 130 135 140
 Leu Pro Ser Cys Pro Cys Ser Tyr Pro Thr Glu Val Ala Tyr Ser Thr
 145 150 155 160
 Ala Asp Ile Phe Asp Arg Ile Lys Arg Lys Asp Phe Arg Trp Lys Asp
 165 170 175
 Ala Ser Gly Pro Lys Glu Lys Leu Glu Ile Tyr Lys Pro Thr Ala Arg
 180 185 190
 Tyr Cys Ile Arg Ser Met Leu Ser Leu Glu Ser Thr Thr Leu Ala Ala
 195 200 205
 Gln His Cys Cys Tyr Gly Asp Asn Met Gln Leu Ile Thr Arg Gly Lys
 210 215 220
 Gly Ala Gly Thr Pro Asn Leu Ile Ser Thr Glu Phe Ser Ala Glu Leu
 225 230 235 240
 His Tyr Lys Val Asp Val
 245 246

<210> 978
 <211> 203
 <212>Amino acid
 <213> Homo sapiens

<400> 978
 Glu Ser Glu Glu Asn Gly Glu Ser Ala Met Asp Ser Thr Val Ala Lys
 1 5 10 15
 Glu Gly Thr Asn Val Pro Leu Val Ala Ala Gly Pro Cys Asp Asp Glu
 20 25 30
 Gly Ile Val Thr Ser Thr Gly Ala Lys Glu Glu Asp Glu Glu Gly Glu
 35 40 45
 Asp Val Val Thr Ser Thr Gly Arg Gly Asn Glu Ile Gly His Ala Ser
 50 55 60
 Thr Cys Thr Gly Leu Gly Glu Glu Ser Glu Gly Val Leu Ile Cys Glu
 65 70 75 80
 Ser Ala Glu Gly Asp Ser Gln Ile Gly Thr Val Val Glu His Val Glu
 85 90 95
 Ala Glu Ala Gly Ala Ala Ile Met Asn Ala Asn Glu Asn Asn Val Asp
 100 105 110
 Ser Met Ser Gly Thr Glu Lys Gly Ser Lys Asp Thr Asp Ile Cys Ser
 115 120 125
 Ser Ala Lys Gly Ile Val Glu Ser Ser Val Thr Ser Ala Val Ser Gly
 130 135 140
 Lys Asp Glu Val Thr Pro Val Pro Gly Gly Cys Glu Gly Pro Met Thr
 145 150 155 160
 Ser Ala Ala Ser Asp Gln Ser Asp Ser Gln Leu Glu Lys Val Glu Asp
 165 170 175
 Thr Thr Ile Ser Thr Gly Leu Val Gly Ser Tyr Asp Val Leu Val
 180 185 190
 Ser Gly Glu Val Pro Glu Cys Glu Val Ala His
 195 200 203

<210> 979
 <211> 94
 <212>Amino acid
 <213> Homo sapiens

<400> 979

Val	Cys	Ile	Ile	Cys	Leu	Ile	Phe	Ser	Tyr	Tyr	Ser	Phe	Asp	Ser	Ala
1				5				10				15			
Leu	Gln	Ser	Ala	Lys	Ser	Ser	Leu	Gly	Gly	Asn	Asp	Glu	Leu	Ser	Ala
				20				25				30			
Thr	Phe	Leu	Glu	Met	Lys	Gly	His	Phe	Tyr	Met	Tyr	Ala	Gly	Ser	Leu
				35				40			45				
Leu	Leu	Lys	Met	Gly	Gln	His	Gly	Asn	Asn	Val	Gln	Trp	Arg	Ala	Leu
				50				55			60				
Ser	Glu	Leu	Ala	Ala	Leu	Cys	Tyr	Leu	Ile	Ala	Phe	Gln	Val	Ser	Leu
	65				70				75			80			
Pro	Leu	Gly	Ala	Ile	Asp	Ile	Ser	Arg	Ser	Leu	Asp	Val	Phe		
				85				90			94				

<210> 980

<211> 226

<212>Amino acid

<213> Homo sapiens

<400> 980

Gln	His	Pro	Ser	Gln	Glu	Lys	Pro	Gln	Val	Leu	Thr	Pro	Ser	Pro	Arg
1				5				10			15				
Lys	Gln	Lys	Leu	Asn	Arg	Lys	Tyr	Arg	Ser	His	His	Asp	Gln	Met	Ile
				20				25			30				
Cys	Lys	Cys	Leu	Ser	Leu	Ser	Ile	Ser	Tyr	Ser	Ala	Thr	Ile	Gly	Gly
				35				40			45				
Leu	Thr	Thr	Ile	Ile	Gly	Thr	Ser	Thr	Ser	Leu	Ile	Phe	Leu	Glu	His
				50				55			60				
Phe	Asn	Asn	Gln	Tyr	Pro	Ala	Ser	Glu	Val	Val	Asn	Phe	Gly	Thr	Trp
	65				70				75			80			
Phe	Leu	Phe	Ser	Pro	Ile	Ser	Leu	Ile	Met	Leu	Val	Val	Ser	Trp	
				85				90			95				
Phe	Trp	Met	His	Trp	Leu	Phe	Leu	Gly	Cys	Asn	Phe	Lys	Glu	Thr	Cys
		100				105					110				
Ser	Leu	Ser	Lys	Lys	Lys	Thr	Lys	Arg	Glu	Gln	Leu	Ser	Glu	Lys	
			115				120			125					
Arg	Ile	Gln	Glu	Glu	Tyr	Glu	Lys	Leu	Gly	Asp	Ile	Ser	Tyr	Pro	Glu
		130				135				140					
Met	Val	Thr	Gly	Phe	Phe	Ile	Leu	Met	Thr	Val	Leu	Trp	Phe	Thr	
	145				150				155			160			
Arg	Glu	Pro	Gly	Phe	Val	Pro	Gly	Trp	Asp	Ser	Phe	Glu	Lys	Lys	
		165				170				175					
Gly	Tyr	Arg	Thr	Asp	Ala	Thr	Val	Ser	Val	Phe	Leu	Gly	Phe	Leu	Leu
		180				185				190					
Phe	Leu	Ile	Pro	Ala	Lys	Lys	Pro	Cys	Phe	Gly	Lys	Lys	Asn	Asp	Gly
		195				200				205					
Glu	Asn	Gln	Glu	His	Ser	Leu	Gly	Thr	Glu	Pro	Ile	Ile	Thr	Trp	Lys
	210				215				220						
Asp	Phe														
225	226														

<210> 981

<211> 163

<212>Amino acid
<213> Homo sapiens

<400> 981
 Leu Glu Arg Glu Gly Asp Lys Gly Thr Pro Val Leu Arg Gly Phe Ser
 1 5 10 15
 Ser Val Ser Gly Ser Trp Ser Arg Arg Met Pro Pro Phe Leu Leu Leu
 20 25 30
 Thr Cys Leu Phe Ile Thr Gly Thr Ser Val Ser Pro Val Ala Leu Asp
 35 40 45
 Pro Cys Ser Ala Tyr Ile Ser Leu Asn Glu Pro Trp Arg Asn Thr Asp
 50 55 60
 His Gln Leu Asp Glu Ser Gln Gly Pro Pro Leu Cys Asp Asn His Val
 65 70 75 80
 Asn Gly Glu Trp Tyr His Phe Thr Gly Met Ala Gly Asp Ala Met Pro
 85 90 95
 Thr Phe Cys Ile Pro Glu Asn His Cys Gly Thr His Ala Pro Val Trp
 100 105 110
 Leu Asn Gly Ser His Pro Leu Glu Gly Asp Gly Ile Val Gln Arg Gln
 115 120 125
 Ala Cys Ala Ser Phe Asn Gly Asn Cys Cys Leu Trp Asn Thr Thr Val
 130 135 140
 Glu Val Lys Ala Cys Pro Gly Gly Tyr Tyr Val Tyr Arg Leu Thr Lys
 145 150 155 160
 Pro Ser Val
 163

<210> 982
<211> 327
<212>Amino acid
<213> Homo sapiens

Ala Ser Pro Arg Phe Cys Cys Gln Phe Ile Thr Ser Val Thr Ala Leu
 180 185 190
 Tyr Asp Leu Ser Ser Asp Asp Leu Ile Pro Pro Met Asp Leu Leu Glu
 195 200 205
 Met Ile Val Thr Trp Ile Phe Glu Asp Pro Arg Leu Ile Leu Ile Thr
 210 215 220
 Phe Leu Asn Thr Pro Ile Ala Ala Asn Leu Pro Ile Gly Phe Leu Glu
 225 230 235 240
 Leu Thr Pro Leu Val Gly Leu Ile Arg Trp Cys Val Lys Ala Pro Leu
 245 250 255
 Ala Tyr Lys Arg Lys Lys Pro Pro Leu Ser Asn Gly His Val Ser
 260 265 270
 Asn Lys Val Thr Lys Asp Pro Gly Val Gly Met Asp Arg Asp Ser His
 275 280 285
 Leu Leu Tyr Ser Lys Leu His Leu Ser Val Leu Gln Val Leu Met Thr
 290 295 300
 Leu Gln Leu His Leu Thr Glu Lys Asn Leu Tyr Gly Pro Pro Gly Ala
 305 310 315 320
 Asp Pro Leu Arg Pro His Gly
 325 327

<210> 983
 <211> 110
 <212>Amino acid
 <213> Homo sapiens

<400> 983
 Ser Ala Cys Ser Thr Gly Pro Glu Leu Pro Gly Arg Ala Thr Arg Ser
 1 5 10 15
 Leu Thr Arg Pro Ala Asn Gln Lys Gly Cys Asp Gly Asp Arg Leu Tyr
 20 25 30
 Tyr Asp Gly Cys Ala Met Ile Ala Met Asn Gly Ser Val Phe Ala Gln
 35 40 45
 Gly Ser Gln Phe Ser Leu Asp Asp Val Glu Val Leu Thr Ala Thr Leu
 50 55 60
 Asp Leu Glu Asp Val Arg Ser Tyr Arg Ala Glu Ile Ser Ser Arg Asn
 65 70 75 80
 Leu Ala Val Ser Ala Pro Val Asp Thr Cys Val Gly Cys Ser Ser Lys
 85 90 95
 Thr Trp Lys Val Ala Pro Phe Val Arg Ala Trp Trp Arg Pro
 100 105 110

<210> 984
 <211> 80
 <212>Amino acid
 <213> Homo sapiens

<400> 984
 Ala Pro Leu Ser Arg Leu Cys Phe Pro Gln Val Leu Val Asn Glu Gly
 1 5 10 15
 Gly Gly Phe Asp Arg Ala Ser Gly Ser Phe Val Ala Pro Val Arg Gly
 20 25 30
 Val Tyr Ser Phe Arg Phe His Val Val Lys Val Tyr Asn Arg Gln Thr
 35 40 45

Val Gln Val Thr Ser Ala Leu Ala Pro Ile Pro Gly Ser Gly Gly Trp
 50 55 60
 Gly Gly Gly Arg Arg Gly Ala Gln Leu Thr Ser Gly Trp Thr Leu His
 65 70 75 80

<210> 985
<211> 235
<212>Amino acid
<213> Homo sapiens

<400> 985
Pro His Ile Ile Gly Ala Glu Asp Asp Asp Phe Gly Thr Glu His Glu
 1 5 10 15
Gln Ile Asn Gly Gln Cys Ser Cys Phe Gln Ser Ile Glu Leu Leu Lys
 20 25 30
Ser Arg Pro Ala His Leu Ala Val Phe Leu Arg His Val Val Ser Gln
 35 40 45
Phe Asp Pro Ala Thr Leu Leu Cys Tyr Leu Tyr Ser Asp Leu Tyr Lys
 50 55 60
His Thr Asn Ser Lys Glu Thr Arg Arg Ile Phe Leu Glu Phe His Gln
 65 70 75 80
Phe Phe Leu Asp Arg Ser Ala His Leu Lys Val Ser Val Pro Asp Glu
 85 90 95
Met Ser Ala Asp Leu Glu Lys Arg Arg Pro Glu Leu Ile Pro Glu Asp
 100 105 110
Leu His Arg His Tyr Ile Gln Thr Met Gln Glu Arg Val His Pro Glu
 115 120 125
Val Gln Arg His Leu Glu Asp Phe Arg Gln Lys Arg Ser Met Gly Leu
 130 135 140
Thr Leu Ala Glu Ser Glu Leu Thr Lys Leu Asp Ala Glu Arg Asp Lys
 145 150 155 160
Asp Arg Leu Thr Leu Glu Lys Glu Arg Thr Cys Ala Glu Gln Ile Val
 165 170 175
Ala Lys Ile Glu Glu Val Leu Met Thr Ala Gln Ala Val Glu Glu Asp
 180 185 190
Lys Ser Ser Thr Met Gln Tyr Val Ile Leu Met Tyr Met Lys His Leu
 195 200 205
Gly Val Lys Val Lys Glu Pro Arg Asn Leu Glu His Lys Arg Gly Arg
 210 215 220
Ile Gly Phe Leu Pro Lys Ile Lys Gln Ser Met
 225 230 235

<210> 986
<211> 140
<212>Amino acid
<213> Homo sapiens

<400> 986
Ser Pro Gly Thr Gly Arg Gly Pro Gly Pro Thr Ser Phe Val Cys Leu
 1 5 10 15
Pro Thr Pro Gln Cys Pro Phe Ile Asp Asp Phe Ile Leu Ala Leu His
 20 25 30

Arg Lys Ile Lys Asn Glu Pro Val Val Phe Pro Glu Gly Pro Glu Ile
 35 40 45
 Ser Glu Glu Leu Lys Asp Leu Ile Leu Lys Met Leu Asp Lys Asn Pro
 50 55 60
 Glu Thr Arg Ile Gly Val Pro Asp Ile Lys Leu His Pro Trp Val Thr
 65 70 75 80
 Lys Asn Gly Glu Glu Pro Leu Pro Ser Glu Glu Glu His Cys Ser Val
 85 90 95
 Val Glu Val Thr Glu Glu Val Lys Asn Ser Val Arg Leu Ile Pro
 100 105 110
 Ser Trp Thr Thr Val Ile Leu Val Lys Ser Met Leu Arg Lys Arg Ser
 115 120 125
 Phe Gly Asn Pro Phe Glu Pro Gln Ala Arg Met Ala
 130 135 140

<210> 987
<211> 242
<212>Amino acid
<213> Homo sapiens

<400> 987
 His Ala Ser Gly Ile Lys Ile Asp Lys Thr Ser Asp Gly Pro Lys Leu
 1 5 10 15
 Phe Leu Thr Glu Glu Asp Gln Lys Lys Leu His Asp Phe Glu Glu Gln
 20 25 30
 Cys Val Glu Met Tyr Phe Asn Glu Lys Asp Asp Lys Phe His Ser Gly
 35 40 45
 Ser Glu Glu Arg Ile Arg Val Thr Phe Glu Arg Val Glu Gln Met Cys
 50 55 60
 Ile Gln Ile Lys Glu Val Gly Asp Arg Val Asn Tyr Ile Lys Arg Ser
 65 70 75 80
 Leu Gln Ser Leu Asp Ser Gln Ile Gly His Leu Gln Asp Leu Ser Ala
 85 90 95
 Leu Thr Val Asp Thr Leu Lys Thr Leu Thr Ala Gln Lys Ala Ser Glu
 100 105 110
 Ala Ser Lys Val His Asn Glu Ile Thr Arg Glu Leu Ser Ile Ser Lys
 115 120 125
 His Leu Ala Gln Asn Leu Ile Asp Asp Gly Pro Val Arg Pro Ser Val
 130 135 140
 Trp Lys Lys His Gly Val Val Asn Thr Leu Ser Ser Ser Leu Pro Gln
 145 150 155 160
 Gly Asp Leu Glu Ser Asn Asn Pro Phe His Cys Asn Ile Leu Met Lys
 165 170 175
 Asp Asp Lys Asp Pro Gln Cys Asn Ile Phe Gly Gln Asp Leu Pro Ala
 180 185 190
 Val Pro Gln Arg Lys Glu Phe Asn Phe Pro Glu Ala Gly Ser Ser Ser
 195 200 205
 Gly Ala Leu Phe Pro Ser Ala Val Ser Pro Pro Glu Leu Arg Gln Arg
 210 215 220
 Leu His Gly Val Glu Leu Leu Lys Ile Phe Asn Lys Lys Gln Lys Lys
 225 230 235 240
 Arg Ala
 242

<210> 988
<211> 154
<212>Amino acid
<213> Homo sapiens

<400> 988

Cys	Cys	Arg	Trp	Ile	Asp	Cys	Phe	Ala	Leu	Tyr	Asp	Gln	Gln	Glu	Glu
1				5					10					15	
Leu	Val	Arg	His	Ile	Glu	Lys	Val	His	Ile	Asp	Gln	Arg	Lys	Gly	Glu
				20					25				30		
Asp	Phe	Thr	Cys	Phe	Trp	Ala	Gly	Cys	Pro	Arg	Arg	Tyr	Lys	Pro	Phe
					35				40			45			
Asn	Ala	Arg	Tyr	Lys	Leu	Leu	Ile	His	Met	Arg	Val	His	Ser	Gly	Glu
				50				55			60				
Lys	Pro	Asn	Lys	Cys	Thr	Phe	Glu	Gly	Cys	Glu	Lys	Ala	Phe	Ser	Arg
				65			70			75			80		
Leu	Glu	Asn	Leu	Lys	Ile	His	Leu	Arg	Ser	His	Thr	Gly	Glu	Lys	Pro
				85				90			95				
Tyr	Leu	Cys	Gln	His	Pro	Gly	Cys	Gln	Lys	Ala	Phe	Ser	Asn	Ser	Ser
				100				105			110				
Asp	Arg	Ala	Lys	His	Gln	Arg	Thr	His	Leu	Asp	Thr	Lys	Pro	Tyr	Ala
				115				120			125				
Cys	Gln	Ile	Pro	Gly	Cys	Thr	Lys	Arg	Tyr	Thr	Asp	Pro	Ser	Ser	Leu
				130			135			140					
Arg	Lys	His	Val	Lys	Ala	His	Ser	Ser	Lys						
				145			150			154					

<210> 989

<211> 65

<212>Amino acid

<213> Homo sapiens

<400> 989

Leu	Pro	Leu	Leu	Trp	Thr	Leu	Ser	Asp	Phe	Gly	Gly	Thr	Met	Asp	Gln
1				5					10				15		
Ser	Gly	Met	Glu	Ile	Pro	Val	Thr	Leu	Ile	Ile	Lys	Ala	Pro	Asn	Gln
				20				25			30				
Lys	Tyr	Ser	Asp	Gln	Thr	Ile	Ser	Cys	Phe	Leu	Asn	Trp	Thr	Val	Gly
				35				40			45				
Lys	Leu	Lys	Thr	His	Leu	Ser	Asn	Val	Tyr	Pro	Ser	Lys	Pro	Val	Ser
				50			55			60					
Val															
	65														

<210> 990

<211> 297

<212>Amino acid

<213> Homo sapiens

<400> 990

Ala	Gly	Thr	Arg	Met	Cys	Val	Val	Ala	Ala	Ala	Glu	Glu	Leu	Val	Cys
1				5					10				15		
Gly	Ala	Arg	Gly	Leu	Trp	Met	Arg	Arg	Thr	Arg	Arg	Pro	Arg	Phe	Val
				20				25			30				

Leu Met Asn Lys Met Asp Asp Leu Asn Leu His Tyr Arg Phe Leu Asn
 35 40 45
 Trp Arg Arg Arg Ile Arg Glu Ile Arg Glu Val Arg Ala Phe Arg Tyr
 50 55 60
 Gln Glu Arg Phe Lys His Ile Leu Val Asp Gly Asp Thr Leu Ser Tyr
 65 70 75 80
 His Gly Asn Ser Gly Glu Val Gly Cys Tyr Val Ala Ser Arg Pro Leu
 85 90 95
 Thr Lys Asp Ser Asn Tyr Phe Glu Val Ser Ile Val Asp Ser Gly Val
 100 105 110
 Arg Gly Thr Ile Ala Val Gly Leu Val Pro Gln Tyr Tyr Ser Leu Asp
 115 120 125
 His Gln Pro Gly Trp Leu Pro Asp Ser Val Ala Tyr His Ala Asp Asp
 130 135 140
 Gly Lys Leu Tyr Asn Gly Arg Ala Lys Gly Arg Gln Phe Gly Ser Lys
 145 150 155 160
 Cys Asn Ser Gly Asp Arg Ile Gly Cys Gly Ile Glu Pro Val Ser Phe
 165 170 175
 Asp Val Gln Thr Ala Gln Ile Phe Phe Thr Lys Asn Gly Lys Arg Val
 180 185 190
 Gly Ser Thr Ile Met Pro Met Ser Pro Asp Gly Leu Phe Pro Ala Val
 195 200 205
 Gly Met His Ser Leu Gly Glu Glu Val Arg Leu His Leu Asn Ala Glu
 210 215 220
 Leu Gly Arg Glu Asp Asp Ser Val Met Met Val Asp Ser Tyr Glu Asp
 225 230 235 240
 Glu Trp Gly Arg Leu His Asp Val Arg Val Cys Gly Thr Leu Leu Glu
 245 250 255
 Tyr Leu Gly Lys Gly Lys Ser Ile Val Asp Val Gly Leu Ala Gln Ala
 260 265 270
 Arg His Pro Leu Ser Thr Arg Ser His Tyr Phe Glu Val Glu Ile Val
 275 280 285
 Asp Pro Gly Glu Lys Cys Tyr Ile Ala
 290 295 297

<210> 991
 <211> 207
 <212>Amino acid
 <213> Homo sapiens

<400> 991
 Gln Gln Ala Glu Glu His Leu Ala Ala Tyr Ser Val Ser Asp Ser Asp
 1 5 10 15
 Ser Gly Lys Asp Pro Ser Met Glu Cys Cys Arg Arg Ala Thr Pro Gly
 20 25 30
 Thr Leu Leu Leu Phe Leu Ala Phe Leu Leu Ser Ser Arg Thr Ala
 35 40 45
 Arg Ser Glu Glu Asp Arg Asp Gly Leu Trp Asp Ala Trp Gly Pro Trp
 50 55 60
 Ser Glu Cys Ser Arg Thr Cys Gly Gly Ala Ser Tyr Ser Leu Arg
 65 70 75 80
 Arg Cys Leu Ser Ser Lys Ser Cys Glu Gly Arg Asn Ile Arg Tyr Arg
 85 90 95
 Thr Cys Ser Asn Val Asp Cys Pro Pro Glu Ala Gly Asp Phe Arg Ala
 100 105 110
 Gln Gln Cys Ser Ala His Asn Asp Val Lys His His Gly Gln Phe Tyr
 115 120 125
 Glu Trp Leu Pro Val Ser Asn Asp Pro Asp Asn Pro Cys Ser Leu Lys
 130 135 140

Cys Gln Ala Lys Gly Thr Thr Leu Val Val Glu Leu Ala Pro Lys Val
 145 150 155 160
 Leu Asp Gly Thr Arg Cys Tyr Thr Glu Ser Leu Asp Met Cys Ile Ser
 165 170 175
 Gly Leu Cys Gln Val Ser Ala Asp Leu Phe Ser Phe Asn Leu Ser Arg
 180 185 190
 Gly Phe Gln Cys Leu Cys Val Asn Gly Leu His Ser Leu Thr Leu
 195 200 205 207

<210> 992
<211> 184
<212>Amino acid
<213> Homo sapiens

<400> 992
Arg Leu Leu Arg Gln Glu Leu Val Val Leu Cys His Leu His His Pro
1 5 10 15
Ser Leu Ile Ser Leu Leu Ala Ala Gly Ile Arg Pro Arg Met Leu Val
20 25 30
Met Glu Leu Ala Ser Lys Gly Ser Leu Asp Arg Leu Leu Gln Gln Asp
35 40 45
Lys Ala Ser Leu Thr Arg Thr Leu Gln His Arg Ile Ala Leu His Val
50 55 60
Ala Asp Gly Leu Arg Tyr Leu His Ser Ala Met Ile Ile Tyr Arg Asp
65 70 75 80
Leu Lys Pro His Asn Val Leu Leu Phe Thr Leu Tyr Pro Asn Ala Ala
85 90 95
Ile Ile Ala Lys Ile Ala Asp Tyr Gly Ile Ala Gln Tyr Cys Cys Arg
100 105 110
Met Gly Ile Lys Thr Ser Glu Gly Thr Pro Gly Phe Arg Ala Pro Glu
115 120 125
Val Ala Arg Gly Asn Val Ile Tyr Asn Gln Gln Ala Asp Val Tyr Ser
130 135 140
Phe Gly Leu Leu Leu Tyr Asp Ile Leu Thr Thr Gly Gly Arg Ile Val
145 150 155 160
Glu Gly Leu Lys Phe Pro Asn Glu Phe Asp Glu Leu Glu Ile Gln Gly
165 170 175
Lys Leu Pro Asp Pro Val Lys Glu
180 184

<210> 993
<211> 144
<212>Amino acid
<213> Homo sapiens

<400> 993
Lys Ala Ser Asn Ser Thr His Glu Phe Arg Ile Gly Leu Pro Glu Gly
1 5 10 15
Trp Glu Ser Glu Lys Lys Ala Val Ile Pro Leu Gly Ile Gly Pro Pro
20 25 30
Leu Thr Leu Ile Cys Leu Gly Val Leu Gly Gly Ile Leu Ile Tyr Gly
35 40 45
Arg Lys Gly Phe Gln Thr Ala His Phe Tyr Leu Lys Asp Ser Pro Ser
50 55 60

Pro	Lys	Val	Ile	Ser	Thr	Pro	Pro	Pro	Pro	Ile	Phe	Pro	Ile	Ser	Lys
65						70				75					80
Glu	Val	Gly	Pro	Ile	Pro	Ile	Lys	His	Phe	Pro	Lys	His	Val	Ala	Asn
						85			90					95	
Leu	His	Ala	Ser	Arg	Gly	Phe	Thr	Glu	Lys	Phe	Glu	Thr	Leu	Lys	Lys
						100			105				110		
Phe	Tyr	Gln	Glu	Gly	Gln	Ser	Cys	Thr	Val	Asp	Leu	Gly	Ile	Thr	Ala
						115			120			125			
Asn	Ser	Ser	Asn	His	Pro	Asp	Asn	Arg	His	Arg	Asn	Arg	Ser	Leu	Ile
					130			135			140				144

<210> 994
<211> 147
<212>Amino acid
<213> Homo sapiens

<400> 994															
Ser	Phe	Pro	Asp	Arg	Thr	Ala	Ser	Leu	Val	Leu	Leu	Ser	Val	Pro	Val
1				5					10					15	
Gly	Gln	Ala	Gly	Met	Gln	Gln	Arg	Gly	Leu	Ala	Ile	Val	Ala	Leu	Ala
				20					25					30	
Val	Cys	Ala	Ala	Leu	His	Ala	Ser	Pro	Ala	Ile	Leu	Pro	Ile	Ala	Ser
				35				40				45			
Ser	Cys	Cys	Thr	Glu	Val	Ser	His	His	Ile	Ser	Arg	Arg	Leu	Leu	Glu
				50			55				60				
Arg	Val	Asn	Met	Cys	Arg	Ile	Gln	Arg	Ala	Asp	Gly	Asp	Cys	Asp	Leu
				65			70			75				80	
Ala	Ala	Val	Ile	Leu	His	Val	Lys	Arg	Arg	Arg	Ile	Cys	Val	Ser	Pro
				85				90				95			
His	Asn	His	Thr	Val	Lys	Gln	Trp	Met	Lys	Val	Gln	Ala	Ala	Lys	Lys
				100				105				110			
Asn	Gly	Lys	Gly	Asn	Val	Cys	His	Arg	Lys	Lys	His	His	Gly	Lys	Arg
				115				120				125			
Asn	Ser	Asn	Arg	Ala	His	Gln	Gly	Lys	His	Glu	Thr	Tyr	Gly	His	Lys
				130			135			140					
Thr	Pro	Tyr													
	145		147												

<210> 995
<211> 245
<212>Amino acid
<213> Homo sapiens

<400> 995															
Phe	Glu	Gln	Pro	Gly	Asn	Pro	Gly	Asp	Pro	Arg	Val	Arg	Thr	Pro	Pro
1					5				10				15		
Pro	Trp	Gly	Pro	His	Phe	Phe	Ala	Leu	Ile	Pro	Ser	Ser	Pro	Lys	Glu
					20				25				30		
Val	Pro	Ala	Thr	Pro	Ser	Ser	Arg	Arg	Asp	Pro	Ile	Ala	Pro	Thr	Ala
					35			40			45				
Thr	Leu	Leu	Ser	Lys	Lys	Thr	Pro	Ala	Thr	Leu	Ala	Pro	Lys	Glu	Ala
				50			55			60					

Leu Ile Pro Pro Ala Met Thr Val Pro Ser Pro Lys Lys Thr Pro Ala
 65 70 75 80
 Ile Pro Thr Pro Lys Glu Ala Pro Ala Thr Pro Ser Ser Lys Glu Ala
 85 90 95
 Ser Ser Pro Pro Ala Val Thr Pro Ser Thr Tyr Lys Gly Ala Pro Ser
 100 105 110
 Pro Lys Glu Leu Leu Ile Pro Pro Ala Val Thr Ser Pro Ser Pro Lys
 115 120 125
 Glu Ala Pro Thr Pro Pro Ala Val Thr Pro Pro Ser Pro Glu Lys Gly
 130 135 140
 Pro Ala Thr Pro Ala Pro Lys Gly Thr Pro Thr Ser Pro Pro Val Thr
 145 150 155 160
 Pro Ser Ser Leu Lys Asp Ser Pro Thr Ser Pro Ala Ser Val Thr Cys
 165 170 175
 Lys Met Gly Ala Thr Val Pro Gln Ala Ser Lys Gly Leu Pro Ala Lys
 180 185 190
 Lys Gly Pro Thr Ala Leu Lys Glu Val Leu Val Ala Pro Ala Pro Glu
 195 200 205
 Ser Thr Pro Ile Ile Thr Ala Pro Thr Arg Lys Gly Pro Gln Thr Lys
 210 215 220
 Lys Ser Ser Ala Thr Ser Pro Pro Ile Cys Pro Asp Pro Ser Ala Lys
 225 230 235 240
 Asn Gly Ser Lys Gly
 245

<210> 996
 <211> 25
 <212>Amino acid
 <213> Homo sapiens

<400> 996
 Phe Phe Leu Lys Ile Gln Gly Leu Gly Trp Ala Arg Trp Leu Thr Pro
 1 5 10 15
 Val Ile Pro Val Leu Trp Glu Ala Glu
 20 25

<210> 997
 <211> 56
 <212>Amino acid
 <213> Homo sapiens

<400> 997
 Ala Gly Phe Gly Tyr Gly Leu Pro Ile Ser Arg Leu Tyr Ala Lys Tyr
 1 5 10 15
 Phe Gln Gly Asp Leu Asn Leu Tyr Ser Leu Ser Gly Tyr Gly Thr Asp
 20 25 30
 Ala Ile Ile Tyr Leu Lys Val Ser Leu Glu Phe Asn Ser Lys Ile Leu
 35 40 45
 Phe Leu Lys Pro Leu Leu Leu
 50 55 56

<210> 998
 <211> 198

<212>Amino acid
 <213> Homo sapiens

<400> 998
 Trp Met Arg Ala Pro Met Leu Gln Lys Gln Gln Ala Pro Arg Met Asp
 1 5 10 15
 Thr Pro Pro Pro Glu Glu Arg Leu Glu Lys Gln Asn Glu Lys Leu Asn
 20 25 30
 Asn Gln Glu Glu Glu Thr Glu Phe Lys Glu Leu Asp Gly Leu Arg Glu
 35 40 45
 Ala Leu Ala Asn Leu Arg Gly Leu Ser Glu Glu Glu Arg Ser Glu Lys
 50 55 60
 Ala Met Leu Arg Ser Arg Ile Glu Glu Gln Ser Gln Leu Ile Cys Ile
 65 70 75 80
 Leu Lys Arg Arg Ser Asp Glu Ala Leu Glu Arg Cys Gln Ile Leu Glu
 85 90 95
 Leu Leu Asn Ala Glu Leu Glu Glu Lys Met Met Gln Glu Ala Glu Lys
 100 105 110
 Leu Lys Ala Gln Gly Glu Tyr Ser Arg Lys Leu Glu Glu Arg Phe Met
 115 120 125
 Thr Leu Ala Ala Asn His Glu Leu Met Leu Arg Phe Lys Asp Glu Tyr
 130 135 140
 Lys Ser Glu Asn Ile Lys Leu Arg Glu Glu Asn Glu Lys Leu Arg Leu
 145 150 155 160
 Glu Asn Asn Ser Leu Phe Ser Gln Ala Leu Lys Asp Glu Glu Ala Lys
 165 170 175
 Val Leu Gln Leu Thr Val Arg Cys Glu Ala Leu Thr Gly Glu Leu Glu
 180 185 190
 Thr Leu Lys Glu Arg Cys
 195 198

<210> 999
 <211> 79
 <212>Amino acid
 <213> Homo sapiens

<400> 999
 Asp Pro Gly Ala Ser His Ala Ser Val Gln Val Gln Val Leu Lys Glu
 1 5 10 15
 Gln Leu Phe Ala Gly Arg Met Pro Ser Pro Phe Arg Ser Cys Ala Leu
 20 25 30
 Met Gly Met Cys Gly Ser Arg Ser Ala Asp Asn Leu Ser Cys Pro Ser
 35 40 45
 Pro Leu Asn Val Met Glu Pro Val Ser Phe Phe Pro Leu Lys Ser Leu
 50 55 60
 Gly Lys Gly Met Ile Gln His Phe Arg His Ile Val Ser Leu Val
 65 70 75 79

<210> 1000
 <211> 206
 <212>Amino acid
 <213> Homo sapiens

<400> 1000

Val	Thr	Thr	Thr	His	Ser	Val	Gly	Arg	Gly	His	Glu	Leu	Gln	Leu		
1						5				10				15		
Leu	Asn	Glu	Glu	Leu	Arg	Asn	Ile	Glu	Leu	Glu	Cys	Gln	Asn	Ile	Met	
						20				25				30		
Gln	Ala	His	Arg	Leu	Gln	Lys	Val	Thr	Asp	Gln	Tyr	Gly	Asp	Ile	Trp	
						35				40				45		
Thr	Leu	His	Asp	Gly	Gly	Phe	Arg	Asn	Tyr	Asn	Thr	Ser	Ile	Asp	Met	
						50				55				60		
Gln	Arg	Gly	Lys	Leu	Asp	Asp	Ile	Met	Glu	His	Pro	Glu	Lys	Ser	Asp	
						65				70				75		80
Lys	Asp	Ser	Ser	Ser	Ala	Tyr	Asn	Thr	Ala	Glu	Ser	Cys	Arg	Ser	Thr	
						85				90				95		
Pro	Leu	Thr	Val	Asp	Arg	Ser	Pro	Asp	Ser	Ser	Leu	Pro	Arg	Val	Ile	
						100				105				110		
Asn	Leu	Thr	Asn	Lys	Lys	Asn	Leu	Arg	Ser	Thr	Met	Ala	Ala	Thr	Gln	
						115				120				125		
Ser	Ser	Ser	Gly	Gln	Ser	Ser	Lys	Glu	Ser	Thr	Ser	Thr	Lys	Ala	Lys	
						130				135				140		
Thr	Thr	Glu	Gln	Gly	Cys	Ser	Ala	Glu	Ser	Lys	Glu	Lys	Val	Leu	Glu	
						145				150				155		160
Gly	Ser	Lys	Leu	Pro	Asp	Gln	Glu	Lys	Ala	Val	Ser	Glu	His	Ile	Pro	
						165				170				175		
Tyr	Leu	Ser	Pro	Tyr	His	Ser	Ser	Tyr	Arg	Tyr	Tyr	Ala	Asn	Ile	Pro	
						180				185				190		
Ala	His	Ala	Arg	His	Tyr	Gln	Ser	Tyr	Met	Gln	Leu	Ile	Gln			
						195				200				205	206	

<210> 1001

<211> 138

<212> Amino acid

<213> Homo sapiens

<400> 1001

Val	Trp	Gly	Cys	Leu	Ala	Thr	Val	Ser	Thr	His	Lys	Ile	Gln	Gly		
1						5				10				15		
Leu	Pro	Phe	Gly	Asn	Cys	Leu	Pro	Val	Ser	Asp	Gly	Pro	Phe	Asn	Asn	
						20				25				30		
Ser	Thr	Gly	Ile	Pro	Phe	Phe	Tyr	Met	Thr	Ala	Lys	Asp	Pro	Val	Val	
						35				40				45		
Ala	Asp	Leu	Met	Lys	Asn	Pro	Met	Ala	Ser	Leu	Met	Leu	Pro	Glu	Ser	
						50				55				60		
Glu	Gly	Glu	Phe	Cys	Arg	Lys	Asn	Ile	Val	Asp	Pro	Glu	Asp	Pro	Arg	
						65				70				75		80
Cys	Val	Gln	Leu	Thr	Leu	Thr	Gly	Gln	Met	Ile	Ala	Val	Ser	Pro	Glu	
						85				90				95		
Glu	Val	Glu	Phe	Ala	Lys	Gln	Ala	Met	Phe	Ser	Arg	His	Pro	Gly	Met	
						100				105				110		
Arg	Lys	Trp	Pro	Arg	Gln	Tyr	Glu	Trp	Phe	Phe	Met	Lys	Met	Arg	Ile	
						115				120				125		
Glu	His	Ile	Trp	Leu	Gln	Lys	Trp	Tyr	Gly							
						130				135						

<210> 1002

<211> 133

<212>Amino acid
 <213> Homo sapiens

<400> 1002

Gln	Ala	Ala	Asn	Met	Ala	Val	Ala	Arg	Val	Asp	Ala	Ala	Leu	Pro	Pro
1					5				10					15	
Gly	Glu	Gly	Ser	Val	Val	Asn	Trp	Ser	Gly	Gln	Gly	Leu	Gln	Lys	Leu
								20				25		30	
Gly	Pro	Asn	Leu	Pro	Cys	Glu	Ala	Asp	Ile	His	Thr	Leu	Ile	Leu	Asp
								35			40		45		
Lys	Asn	Gln	Ile	Ile	Lys	Leu	Glu	Asn	Leu	Glu	Lys	Cys	Lys	Arg	Leu
					50			55			60				
Ile	Gln	Leu	Ser	Val	Ala	Asn	Asn	Arg	Leu	Val	Arg	Met	Met	Gly	Val
					65			70			75		80		
Ala	Lys	Leu	Thr	Leu	Leu	Arg	Val	Leu	Asn	Leu	Pro	His	Asn	Ser	Ile
					85			90			95				
Gly	Cys	Val	Glu	Gly	Leu	Lys	Glu	Leu	Val	His	Leu	Glu	Trp	Leu	Asn
					100			105			110				
Leu	Ala	Gly	Asn	Asn	Leu	Ile	Ala	Met	Glu	Gln	Ile	Asn	Ser	Cys	Thr
					115			120			125				
Ala	Leu	Gln	His	Leu											
					130			133							

<210> 1003
 <211> 276
 <212>Amino acid
 <213> Homo sapiens

<400> 1003

Phe	Arg	Ala	Ala	Val	Gly	Ala	Val	Pro	Glu	Gly	Ala	Trp	Lys	Asp	Thr
1								5			10		15		
Ala	Gln	Leu	His	Lys	Ser	Glu	Glu	Ala	Lys	Arg	Val	Leu	Arg	Tyr	Tyr
								20			25		30		
Leu	Phe	Gln	Gly	Gln	Arg	Tyr	Ile	Trp	Ile	Glu	Thr	Gln	Gln	Ala	Phe
								35			40		45		
Tyr	Gln	Val	Ser	Leu	Leu	Asp	His	Gly	Arg	Ser	Cys	Asp	Asp	Val	His
							50			55		60			
Arg	Ser	Arg	His	Gly	Leu	Ser	Leu	Gln	Asp	Gln	Met	Glu	Arg	Lys	Ala
							65			70		75		80	
Ile	Tyr	Gly	Pro	Asn	Val	Ile	Ser	Ile	Pro	Val	Lys	Ser	Tyr	Pro	Gln
							85			90		95			
Leu	Leu	Val	Asp	Glu	Ala	Phe	Ser	Ile	Ala	Leu	Trp	Leu	Ala	Asp	His
							100			105		110			
Tyr	Tyr	Trp	Tyr	Ala	Leu	Cys	Ile	Phe	Leu	Ile	Ser	Ser	Ile	Ser	Ile
							115			120		125			
Cys	Leu	Ser	Leu	Tyr	Lys	Thr	Arg	Lys	Gln	Ser	Gln	Thr	Leu	Arg	Asp
							130			135		140			
Met	Val	Lys	Leu	Ser	Met	Arg	Val	Cys	Val	Cys	Arg	Pro	Gly	Glu	
							145			150		155		160	
Glu	Glu	Trp	Val	Asp	Ser	Ser	Glu	Leu	Val	Pro	Gly	Asp	Cys	Leu	Val
							165			170		175			
Leu	Ser	Gln	Glu	Gly	Gly	Leu	Met	Pro	Cys	Asp	Ala	Ala	Leu	Val	Ala
							180			185		190			
Gly	Glu	Cys	Met	Val	Asn	Asp	Ser	Ser	Leu	Thr	Gly	Glu	Ser	Ile	Pro
							195			200		205			

Val Leu Lys Thr Ala Leu Pro Glu Gly Leu Gly Pro Tyr Cys Ala Glu
 210 215 220
 Thr His Arg Arg His Thr Leu Phe Cys Gly Thr Leu Ile Leu His Ala
 225 230 235 240
 Arg Ala Tyr Val Gly Pro His Val Leu Ala Val Val Thr Arg Thr Gly
 245 250 255
 Met Ser Arg Glu Ala Gly Leu Glu Arg Asp Pro Gly Ser Ala Pro Leu
 260 265 270
 Lys Arg Trp Ser
 275 276

<210> 1004
<211> 222
<212>Amino acid
<213> Homo sapiens

<400> 1004
Phe Val Gly Gly Gly Leu His Leu His Leu Cys Leu Leu Cys Phe
 1 5 10 15
Met Leu Pro Glu Asp Ala Ala Met Ala Val Leu Thr Ala Ser Asn His
 20 25 30
Val Ser Asn Val Thr Val Asn Tyr Asn Ile Thr Val Glu Arg Met Asn
 35 40 45
Arg Met Gln Gly Leu Arg Val Ser Thr Val Pro Ala Val Leu Ser Pro
 50 55 60
Asn Ala Thr Leu Ala Leu Thr Ala Gly Val Leu Val Asp Ser Ala Val
 65 70 75 80
Glu Val Ala Phe Leu Trp Thr Phe Gly Asp Gly Glu Gln Ala Leu His
 85 90 95
Gln Phe Gln Pro Pro Tyr Asn Glu Ser Phe Pro Val Pro Asp Pro Ser
 100 105 110
Val Ala Gln Val Leu Val Glu His Asn Val Thr His Thr Tyr Ala Ala
 115 120 125
Pro Gly Glu Tyr Val Leu Thr Val Leu Ala Ser Asn Ala Phe Glu Asn
 130 135 140
Arg Thr Gln Gln Val Leu Ile Arg Ser Gly Arg Val Pro Ile Val Ser
 145 150 155 160
Leu Glu Cys Val Ser Cys Lys Ala Gln Ala Val Tyr Glu Val Ser Arg
 165 170 175
Ser Ser Tyr Val Tyr Leu Glu Gly Arg Cys Leu Asn Cys Ser Ser Gly
 180 185 190
Ser Lys Arg Gly Arg Trp Ala Ala Arg Thr Phe Ser Asn Lys Thr Leu
 195 200 205
Val Leu Asp Glu Thr Thr Ser Thr Gly Ser Ala Ser Met
 210 215 220 222

<210> 1005
<211> 363
<212>Amino acid
<213> Homo sapiens

<400> 1005
Pro Glu Phe Leu Gly Arg Leu Phe Arg Gly Lys Ala Ala Thr Leu His
 1 5 10 15

Val His Ser Asp Gln Lys Pro Leu His Asp Gly Ala Leu Gly Ser Gln
 20 25 30
 Gln Asn Leu Val Arg Met Lys Glu Ala Leu Arg Ala Ser Thr Met Asp
 35 40 45
 Val Thr Val Val Leu Pro Ser Gly Leu Glu Lys Arg Ser Val Leu Asn
 50 55 60
 Gly Ser His Ala Met Met Asp Leu Leu Val Glu Leu Cys Leu Gln Asn
 65 70 75 80
 His Leu Asn Pro Ser His His Ala Leu Glu Ile Arg Ser Ser Glu Thr
 85 90 95
 Gln Gln Pro Leu Ser Phe Lys Pro Asn Thr Leu Ile Gly Thr Leu Asn
 100 105 110
 Val His Thr Val Phe Leu Lys Glu Lys Val Pro Glu Glu Lys Val Lys
 115 120 125
 Pro Gly Pro Pro Lys Val Pro Glu Lys Ser Val Arg Leu Val Val Asn
 130 135 140
 Tyr Leu Arg Thr Gln Lys Ala Val Val Arg Val Ser Pro Glu Val Pro
 145 150 155 160
 Leu Gln Asn Ile Leu Pro Val Ile Cys Ala Lys Cys Glu Val Ser Pro
 165 170 175
 Glu His Val Val Leu Leu Arg Asp Asn Ile Ala Gly Glu Glu Leu Glu
 180 185 190
 Leu Ser Lys Ser Leu Asn Glu Leu Gly Ile Lys Glu Leu Tyr Ala Trp
 195 200 205
 Asp Asn Arg Arg Glu Thr Phe Arg Lys Ser Ser Leu Gly Asn Asp Glu
 210 215 220
 Thr Asp Lys Glu Lys Lys Phe Leu Gly Phe Phe Lys Val Asn Lys
 225 230 235 240
 Arg Ser Asn Ser Lys Gly Cys Leu Thr Thr Pro Asn Ser Pro Ser Met
 245 250 255
 His Ser Arg Ser Leu Thr Leu Gly Pro Ser Leu Ser Leu Gly Ser Ile
 260 265 270
 Ser Gly Val Ser Val Lys Ser Glu Met Lys Lys Arg Arg Ala Pro Pro
 275 280 285
 Pro Pro Gly Ser Gly Pro Pro Val Gln Asp Lys Ala Ser Glu Lys Val
 290 295 300
 Ser Leu Gly Ser Gln Ile Asp Leu Gln Lys Lys Arg Arg Ala Pro
 305 310 315 320
 Ala Pro Pro Pro Gln Pro Pro Pro Ser Pro Leu Ile Pro Asn
 325 330 335
 Arg Thr Glu Asp Lys Glu Glu Asn Arg Lys Ser Thr Met Val Tyr Cys
 340 345 350
 Cys Ala Ser Phe Pro Thr Gln Ala Lys Arg Phe
 355 360 363

<210> 1006

<211> 95

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(95)

<223> X = any amino acid or stop code

<400> 1006

Val Gln Trp His Asn Leu His Ser Leu Gln Pro Leu Pro Ala Gly Phe
 1 5 10 15
 Lys Xaa Phe Leu Cys Phe Ser Leu Pro Ser Ser Trp Asp Tyr Arg Cys

20	25	30
Ala Pro Pro Leu Pro Ala Pro Phe Phe Tyr Phe Leu Phe Leu Val		
35	40	45
Glu Leu Gly Phe His His Ile Gly Xaa Ala Gly Leu Glu Leu Thr Ser		
50	55	60
Thr Asp Leu Pro Ala Ser Ala Ser Glu Ser Ala Gly Ile Thr Gly Met		
65	70	75
Ser His Arg Ala Arg Pro Met Asp Phe Phe Leu Leu Lys Ile Leu		
85	90	95

<210> 1007
<211> 151
<212>Amino acid
<213> Homo sapiens

<400> 1007		
Gly Arg Arg Phe Arg Pro Pro Ser Asp Glu Glu Arg Glu Pro Trp Glu		
1	5	10
Pro Trp Thr Gln Leu Arg Leu Ser Gly His Leu Lys Pro Leu His Tyr		
20	25	30
Asn Leu Met Leu Thr Ala Phe Met Glu Asn Phe Thr Phe Ser Gly Glu		
35	40	45
Val Asn Val Glu Ile Ala Cys Arg Asn Ala Thr Arg Tyr Val Val Leu		
50	55	60
His Ala Ser Arg Val Ala Val Glu Lys Val Gln Leu Ala Glu Asp Arg		
65	70	75
Ala Phe Gly Ala Val Pro Val Ala Gly Phe Phe Leu Tyr Pro Gln Thr		
85	90	95
Gln Val Leu Val Val Leu Asn Arg Thr Leu Asp Ala Gln Arg Asn		
100	105	110
Tyr Asn Leu Lys Ile Ile Tyr Asn Ala Leu Ile Glu Asn Glu Leu Leu		
115	120	125
Gly Phe Phe Arg Ser Ser Tyr Val Leu His Gly Glu Arg Arg Phe Leu		
130	135	140
Gly Val Thr Gln Phe Ser Pro		
145	150	151

<210> 1008
<211> 64
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (64)
<223> X = any amino acid or stop code

<400> 1008		
Lys Glu Leu Asp Pro Phe Tyr Asn Ser Xaa Arg Lys Ile Lys Tyr Leu		
1	5	10
Arg Ile Tyr Leu Thr Lys Glu Val Lys Asp Leu Tyr Lys Glu Asn Tyr		
20	25	30
Lys Thr Leu Leu Lys Glu Ile Thr Asp Asp Thr Asn Lys Lys His Ile		
35	40	45

Pro Ser Ser Trp Thr Gly Arg Ile Asn Thr Val Lys Met Thr Ile Leu
 50 55 60 64

<210> 1009
<211> 60
<212>Amino acid
<213> Homo sapiens

<400> 1009
Val Pro His Pro Leu Gln Ala Ile His Glu Gln Met Asn Cys Lys Glu
 1 5 10 15
Tyr Gln Glu Asp Leu Ala Leu Arg Ala Gln Asn Asp Ala Ala Ala Arg
 20 25 30
Arg Pro Ser Glu Met Phe Lys Val Arg Leu Ala Gln Gly Arg Gly Leu
 35 40 45
Ala Ser Leu Ser Ser Gly Ile Gln Ser Gly Val Gly
 50 55 60

<210> 1010
<211> 44
<212>Amino acid
<213> Homo sapiens

<400> 1010
Arg Trp Asn Ser Leu Thr Cys Val Val Leu Thr Phe Leu Gly His Arg
 1 5 10 15
Leu Leu Lys Arg Phe Leu Val Pro Lys Leu Arg Arg Phe Leu Lys Pro
 20 25 30
Gln Gly His Pro Arg Leu Leu Leu Trp Phe Lys Arg
 35 40 44

<210> 1011
<211> 219
<212>Amino acid
<213> Homo sapiens

<400> 1011
Tyr Gly Glu Phe Val Thr Tyr Gln Gly Val Ala Val Thr Arg Ser Arg
 1 5 10 15
Lys Glu Gly Ile Ala His Asn Tyr Lys Asn Glu Thr Glu Trp Arg Ala
 20 25 30
Asn Ile Asp Thr Val Met Ala Trp Phe Thr Glu Glu Asp Leu Asp Leu
 35 40 45
Val Thr Leu Tyr Phe Gly Glu Pro Asp Ser Thr Gly His Arg Tyr Gly
 50 55 60
Pro Glu Ser Pro Glu Arg Arg Glu Met Val Arg Gln Val Asp Arg Thr
 65 70 75 80

Val Gly Tyr Leu Arg Glu Ser Ile Ala Arg Asn His Leu Thr Asp Arg
 85 90 95
 Leu Asn Leu Ile Ile Thr Ser Asp His Gly Met Thr Thr Val Asp Lys
 100 105 110
 Arg Ala Gly Asp Leu Val Glu Phe His Lys Phe Pro Asn Phe Thr Phe
 115 120 125
 Arg Asp Ile Glu Phe Glu Leu Leu Asp Tyr Gly Pro Asn Gly Met Leu
 130 135 140
 Leu Pro Lys Glu Gly Arg Leu Glu Lys Val Tyr Asp Ala Leu Lys Asp
 145 150 155 160
 Ala His Pro Lys Leu His Val Tyr Lys Lys Glu Ala Phe Pro Glu Ala
 165 170 175
 Phe His Tyr Ala Asn Asn Pro Arg Val Thr Pro Leu Leu Met Tyr Ser
 180 185 190
 Asp Leu Gly Tyr Val Ile His Gly Val Ser Arg Leu Leu Glu Ala Pro
 195 200 205
 Pro Pro Gly Ala Pro Ser Pro Gly Ser Gly Ser
 210 215 219

<210> 1012
<211> 89
<212>Amino acid
<213> Homo sapiens

<400> 1012
 Arg Ile Pro Leu Leu Arg Leu Arg Ser Ser Thr Tyr Arg Ser Lys Gly
 1 5 10 15
 Phe Asp Val Thr Val Lys His Ser His Gly Ser Trp Thr Gly Phe Gly
 20 25 30
 Gly Glu Asp Leu Ala Thr Ile Pro Lys Gly Leu Asn Thr Tyr Phe Leu
 35 40 45
 Val Asn Ile Ala Thr Ile Phe Glu Ser Lys Asn Phe Phe Leu Pro Gly
 50 55 60
 Ile Lys Trp Asn Gly Ile Leu Gly Leu Ser Tyr Ala Thr Leu Ala Lys
 65 70 75 80
 Pro Ser Ser Ser Leu Glu Thr Phe Phe
 85 89

<210> 1013
<211> 82
<212>Amino acid
<213> Homo sapiens

<400> 1013
 Ile Lys Ser Tyr Ser Gly Pro Asn Gly Arg Ser Cys Gln Ile Trp Gln
 1 5 10 15
 Arg Leu Arg Trp Gly Ser Arg Glu Leu Leu Leu Gly Trp Lys Leu Ser
 20 25 30
 His Ser Phe Ser Thr Cys Pro Phe Gln Phe Pro Asp Ile Val Glu Phe
 35 40 45
 Cys Glu Ala Met Ala Asn Ala Gly Lys Thr Val Ile Val Ala Ala Leu
 50 55 60
 Asp Gly Thr Phe Gln Arg Lys Val Arg Arg Leu Ile Gln Val Trp Ser
 65 70 75 80

Trp Asp
82

<210> 1014
<211> 107
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(107)
<223> X = any amino acid or stop code

<400> 1014
Tyr Cys Phe Cys Phe Asp Leu Leu His Xaa Cys Ile His Arg Asp Val
1 5 10 15
Lys Pro Glu Asn Ile Leu Ile Thr Lys His Ser Val Ile Lys Leu Cys
20 25 30
Asp Phe Gly Phe Ala Arg Leu Leu Thr Gly Pro Ser Asp Tyr Tyr Thr
35 40 45
Asp Tyr Val Ala Thr Arg Trp Tyr Arg Ser Pro Glu Leu Pro Val Gly
50 55 60
Asp Thr Gln Tyr Gly Pro Pro Val Asp Val Trp Ala Ile Gly Cys Val
65 70 75 80
Ser Ala Glu Leu Leu Ser Gly Lys Cys Leu Trp Trp Pro Gly Lys Ser
85 90 95
Asp Met Leu Asp Gln Leu Tyr Leu Ile Arg Lys
100 105 107

<210> 1015
<211> 70
<212>Amino acid
<213> Homo sapiens

<400> 1015
Arg Gly Trp Ala Leu Asp Trp Ile Gly Ala Asp Leu Ser Leu His Leu
1 5 10 15
Gln Glu Glu Val Glu Thr Glu Val Ala Trp Glu Glu Cys Gly His Val
20 25 30
Leu Leu Ser Leu Cys Tyr Ser Ser Gln Gln Gly Gly Leu Leu Val Gly
35 40 45
Val Leu Arg Cys Ala His Leu Ala Pro Met Asp Ala Asn Gly Tyr Ser
50 55 60
Asp Pro Phe Val Arg Leu
65 70

<210> 1016
<211> 142
<212>Amino acid
<213> Homo sapiens

<400> 1016

Gly Gly Ile Leu Ala Met Glu Tyr Ala Pro Gly Gly Thr Leu Ala Glu
 1 5 10 15
 Phe Ile Gln Lys Arg Cys Asn Ser Leu Leu Glu Glu Glu Thr Ile Leu
 20 25 30
 His Phe Phe Val Gln Ile Leu Leu Ala Leu His His Val His Thr His
 35 40 45
 Leu Ile Leu His Arg Asp Leu Lys Thr Gln Asn Ile Leu Leu Asp Lys
 50 55 60
 His Arg Met Val Val Lys Ile Gly Asp Phe Gly Ile Ser Lys Ile Leu
 65 70 75 80
 Ser Ser Lys Ser Lys Ala Tyr Thr Val Val Gly Thr Pro Cys Tyr Ile
 85 90 95
 Ser Pro Glu Leu Cys Glu Gly Lys Pro Tyr Asn Gln Lys Ser Asp Ile
 100 105 110
 Trp Ala Leu Gly Cys Val Leu Tyr Glu Leu Ala Ser Leu Lys Arg Ala
 115 120 125
 Phe Glu Ala Ala Asn Leu Pro Ala Leu Val Leu Lys Ile Met
 130 135 140 142

<210> 1017

<211> 87

<212>Amino acid

<213> Homo sapiens

<400> 1017

Val Gln Cys Gly Gly Ile His Gln Val Ser Gly Ala Val Val Val Ser
 1 5 10 15
 Gly Leu Leu Gln Gly Met Met Gly Leu Leu Gly Ser Pro Gly His Val
 20 25 30
 Phe Pro His Cys Gly Pro Leu Val Leu Ala Pro Ser Leu Val Val Ala
 35 40 45
 Gly Leu Ser Ala His Arg Glu Val Ala Gln Phe Cys Phe Thr His Trp
 50 55 60
 Gly Leu Ala Leu Leu Tyr Val Ser Pro Glu Arg Arg Gly Met Val Pro
 65 70 75 80
 Ser Gly Gly Val Trp Gly Asp
 85 87

<210> 1018

<211> 160

<212>Amino acid

<213> Homo sapiens

<400> 1018

Pro Arg Met Thr Gly Ser Thr His Ala Ser Ala Pro Ser Tyr Gly Gly
 1 5 10 15
 Ser Cys Arg Asn Asn Leu Phe Tyr Arg Glu Glu Thr Tyr Thr Pro Lys
 20 25 30
 Ala Glu Thr Asp Glu Met Asn Glu Val Glu Thr Ala Pro Ile Pro Glu
 35 40 45
 Glu Asn His Val Trp Leu Gln Pro Arg Val Met Arg Pro Thr Lys Pro

50	55	60
Lys Lys Thr Ser Ala Val Asn Tyr Met Thr Gln Val Val Arg Cys Asp		
65	70	75
Thr Lys Met Lys Asp Arg Cys Ile Gly Ser Thr Cys Asn Arg Tyr Gln		
85	90	95
Cys Pro Ala Gly Cys Leu Asn His Lys Ala Lys Ile Phe Gly Ser Leu		
100	105	110
Phe Tyr Glu Ser Phe Ala Ser Ile Cys Arg Ala Ala Ile His Tyr Gly		
115	120	125
Ile Leu Asp Asp Lys Gly Gly Leu Val Asp Ile Thr Arg Asn Gly Lys		
130	135	140
Val Pro Phe Phe Val Lys Ser Glu Arg His Gly Val Gln Ser Leu Arg		
145	150	155
		160

<210> 1019
<211> 174
<212>Amino acid
<213> Homo sapiens

<400> 1019		
Val Pro Gln Asn Ile Ile Cys Ala Phe Phe Cys Val Pro Cys Arg Phe		
1	5	10
Ala Ser Thr Ile Pro Phe Trp Gly Leu Thr Leu His Leu Gln His Leu		
20	25	30
Gly Asn Asn Val Phe Leu Leu Gln Thr Leu Phe Gly Ala Val Thr Leu		
35	40	45
Leu Ala Asn Cys Val Ala Pro Trp Ala Leu Asn His Met Ser Arg Arg		
50	55	60
Leu Ser Gln Met Leu Leu Met Phe Leu Leu Ala Thr Cys Leu Leu Ala		
65	70	75
Ile Ile Phe Val Pro Gln Glu Met Gln Thr Leu Arg Val Val Leu Ala		
85	90	95
Thr Leu Gly Val Gly Ala Ala Ser Leu Gly Ile Thr Cys Ser Thr Ala		
100	105	110
Gln Glu Asn Glu Leu Ile Pro Ser Ile Ile Arg Gly Arg Ala Thr Gly		
115	120	125
Ile Thr Gly Asn Phe Ala Asn Ile Gly Gly Ala Leu Ala Ser Leu Val		
130	135	140
Met Ile Leu Ser Ile Tyr Ser Arg Pro Leu Pro Trp Ile Ile Tyr Gly		
145	150	155
Val Phe Ala Ile Leu Ser Gly Leu Val Val Leu Leu Leu Pro		
165	170	174

<210> 1020
<211> 225
<212>Amino acid
<213> Homo sapiens

<400> 1020		
Val Leu Val Ser Arg Asp His Met Lys Ser Ala Gln Gln Phe Phe Gln		
1	5	10
Leu Val Gly Gly Ser Ala Ser Glu Cys Asp Thr Ile Pro Gly Arg Gln		

20	25	30
Cys Met Ala Ser Cys Phe Phe Leu Leu Lys Gln Phe Asp Asp Val Leu		
35	40	45
Ile Tyr Leu Asn Ser Phe Lys Ser His Phe Tyr Asn Asp Asp Ile Phe		
50	55	60
Asn Phe Asn Tyr Ala Gln Ala Lys Ala Ala Thr Gly Asn Thr Ser Glu		
65	70	75
Gly Glu Glu Ala Phe Leu Leu Ile Gln Ser Glu Lys Met Lys Asn Asp		
85	90	95
Tyr Ile Tyr Leu Ser Trp Leu Ala Arg Gly Tyr Ile Met Asn Lys Lys		
100	105	110
Pro Arg Leu Ala Trp Glu Leu Tyr Leu Lys Met Glu Thr Ser Gly Glu		
115	120	125
Ser Phe Ser Leu Leu Gln Leu Ile Ala Asn Asp Cys Tyr Lys Met Gly		
130	135	140
Gln Phe Tyr Tyr Ser Ala Lys Ala Phe Asp Val Leu Glu Arg Leu Asp		
145	150	155
Pro Asn Pro Glu Tyr Trp Glu Gly Lys Arg Gly Ala Cys Val Gly Ile		
165	170	175
Phe Gln Met Ile Ile Ala Gly Arg Glu Pro Lys Glu Thr Leu Arg Glu		
180	185	190
Val Leu His Leu Leu Arg Ser Thr Gly Asn Thr Gln Val Glu Tyr Met		
195	200	205
Ile Arg Ile Met Lys Lys Trp Ala Lys Glu Asn Arg Val Ser Ile Leu		
210	215	220
Lys		
225		

<210> 1021
 <211> 118
 <212>Amino acid
 <213> Homo sapiens

<400> 1021		
Leu Lys Val Ser Asp Glu Leu Val Gln Gln Tyr Gln Ile Lys Asn Gln		
1	5	10
		15
Cys Leu Ser Ala Ile Ala Ser Asp Ala Glu Gln Glu Pro Lys Ile Asp		
20	25	30
Pro Tyr Ala Phe Val Glu Gly Asp Glu Glu Phe Leu Phe Pro Asp Lys		
35	40	45
Lys Asp Arg Gln Asn Ser Glu Arg Glu Ala Gly Lys Lys His Lys Val		
50	55	60
Arg Glu Ile Thr Val His Gln Arg Val Thr Val Asp Phe Val Ala Leu		
65	70	75
		80
His Ile Val Thr Leu Leu Leu Pro Gln Leu Ser His Phe Phe Cys Leu		
85	90	95
Arg Ile Glu Arg Val Ile Ile Tyr Leu Glu Lys Pro Ile Phe Ala Arg		
100	105	110
Leu Arg Trp Leu Met Pro		
115	118	

<210> 1022
 <211> 178
 <212>Amino acid
 <213> Homo sapiens

<400> 1022

Gly	Val	Pro	Arg	Asn	Leu	Pro	Ser	Ser	Leu	Glu	Tyr	Leu	Leu	Leu	Ser
1					5				10					15	
Tyr	Asn	Arg	Ile	Val	Lys	Leu	Ala	Pro	Glu	Asp	Leu	Ala	Asn	Leu	Thr
			20					25					30		
Ala	Leu	Arg	Val	Leu	Asp	Val	Gly	Gly	Asn	Cys	Arg	Arg	Cys	Asp	His
			35				40			45					
Ala	Pro	Asn	Pro	Cys	Met	Glu	Cys	Pro	Arg	His	Phe	Pro	Gln	Leu	His
			50			55			60						
Pro	Asp	Thr	Phe	Ser	His	Leu	Ser	Arg	Leu	Glu	Gly	Leu	Val	Leu	Lys
	65				70			75					80		
Asp	Ser	Ser	Leu	Ser	Trp	Leu	Asn	Ala	Ser	Trp	Phe	Arg	Gly	Leu	Gly
			85				90					95			
Asn	Leu	Arg	Val	Leu	Asp	Leu	Ser	Glu	Asn	Phe	Leu	Tyr	Lys	Cys	Ile
	100					105						110			
Thr	Lys	Thr	Lys	Ala	Phe	Gln	Gly	Leu	Thr	Gln	Leu	Arg	Lys	Leu	Asn
	115					120					125				
Leu	Ser	Phe	Asn	Tyr	Gln	Lys	Arg	Val	Ser	Phe	Ala	His	Leu	Val	Ser
	130				135				140						
Gly	Pro	Pro	Phe	Leu	Arg	Gly	Ser	Leu	Gly	Arg	Pro	Leu	Lys	Gly	Ala
	145				150				155				160		
Gly	Thr	Trp	His	Gly	Asn	Leu	Ser	Phe	Pro	Leu	His	Phe	Glu	Trp	Gly
			165				170					175			
Lys	Thr														
	178														

<210> 1023
<211> 146
<212>Amino acid
<213> Homo sapiens

<400> 1023

Ile	Leu	Phe	Ala	Ala	Leu	Ile	Trp	Ser	Ser	Phe	Asp	Glu	Asn	Ile	Glu
1					5				10				15		
Ala	Ser	Ala	Gly	Gly	Gly	Gly	Ser	Ser	Ile	Asp	Ala	Val	Met	Val	
					20			25				30			
Asp	Ser	Gly	Ala	Val	Val	Glu	Gln	Tyr	Lys	Arg	Met	Gln	Ser	Gln	Glu
					35			40				45			
Ser	Ser	Ala	Lys	Arg	Ser	Asp	Glu	Gln	Arg	Lys	Met	Lys	Glu	Gln	Gln
			50			55			60						
Ala	Ala	Glu	Glu	Leu	Arg	Glu	Lys	Gln	Ala	Ala	Glu	Gln	Glu	Arg	Leu
	65				70			75				80			
Lys	Gln	Leu	Glu	Lys	Glu	Arg	Leu	Ala	Ala	Gln	Glu	Gln	Lys	Lys	Gln
			85			90					95				
Ala	Glu	Glu	Ala	Ala	Lys	Gln	Ala	Glu	Leu	Lys	Gln	Lys	Ala	Glu	
	100				105				110						
Glu	Ala	Ala	Ala	Lys	Ala	Ala	Asp	Ala	Lys	Ala	Lys	Ala	Glu	Ala	
	115				120			125							
Asp	Ala	Lys	Ala	Ala	Glu	Glu	Ala	Ala	Lys	Lys	Ala	Ala	Ala	Asp	Ala
	130				135				140						
Lys	Lys														
	145	146													

<210> 1024
<211> 39
<212>Amino acid

<213> Homo sapiens

<400> 1024

Ala	Met	Glu	Ile	Val	His	Glu	Pro	Arg	Asp	Leu	Glu	Arg	Tyr	Met	Arg
1					5					10				15	
Glu	Ala	Val	Lys	Val	Ser	Asn	Asp	Ser	Pro	Val	Leu	Leu	Asp	Arg	Phe
				20					25				30		
Leu	Asn	Asp	Ala	Ile	Glu	Cys									
			35		39										

<210> 1025

<211> 53

<212>Amino acid

<213> Homo sapiens

<400> 1025

Met	Leu	Ser	Pro	Gly	Tyr	Asp	Tyr	Gly	Tyr	Val	Cys	Val	Glu	Phe	Ser
1					5					10			15		
Leu	Leu	Glu	Asp	Ala	Ile	Gly	Cys	Met	Glu	Ala	Asn	Gln	Val	Ala	Leu
					20				25			30			
Tyr	Phe	Gly	Gln	Met	Met	Leu	Glu	Gly	Tyr	Ile	Phe	Leu	Tyr	Met	Gly
					35				40			45			
Arg	Glu	Gly	Phe	Lys											
			50	53											

<210> 1026

<211> 365

<212>Amino acid

<213> Homo sapiens

<400> 1026

Pro	Arg	Val	Arg	Ser	Ser	Gly	Gly	Gln	Glu	Asp	Pro	Ala	Ser	Gln	Gln
1					5				10			15			
Trp	Ala	Arg	Pro	Arg	Phe	Thr	Gln	Pro	Ser	Lys	Met	Arg	Arg	Arg	Val
					20				25			30			
Ile	Ala	Arg	Pro	Val	Gly	Ser	Ser	Val	Arg	Leu	Lys	Cys	Val	Ala	Ser
					35			40			45				
Gly	His	Pro	Arg	Pro	Asp	Ile	Thr	Trp	Met	Lys	Asp	Asp	Gln	Ala	Leu
					50			55			60				
Thr	Arg	Pro	Glu	Ala	Ala	Glu	Pro	Arg	Lys	Lys	Trp	Thr	Leu	Ser	
					65			70			75		80		
Leu	Lys	Asn	Leu	Arg	Pro	Glu	Asp	Ser	Gly	Lys	Tyr	Thr	Cys	Arg	Val
					85			90			95				
Ser	Asn	Arg	Ala	Gly	Ala	Ile	Asn	Ala	Thr	Tyr	Lys	Val	Asp	Val	Ile
					100			105			110				
Gln	Arg	Thr	Arg	Ser	Lys	Pro	Val	Leu	Thr	Gly	Thr	His	Pro	Val	Asn
					115			120			125				
Thr	Thr	Val	Asp	Phe	Gly	Gly	Thr	Thr	Ser	Phe	Gln	Cys	Lys	Val	Arg
					130			135			140				
Ser	Asp	Val	Lys	Pro	Val	Ile	Gln	Trp	Leu	Lys	Arg	Val	Glu	Tyr	Gly

145	150	155	160
Ala	Glu	Gly	Arg
His	Asn	Ser	Thr
Ile	Asp	Val	Gly
Gly	Gly	Gln	Lys
165	170	175	
Val	Val	Leu	Pro
Thr	Gly	Asp	Val
Trp	Ser	Arg	Pro
Gly	Ser	Tyr	
180	185	190	
Leu	Asn	Lys	Leu
Leu	Ile	Thr	Arg
Ala	Arg	Gln	Asp
Gly	Asp	Asp	Ala
195	200	205	
Tyr	Ile	Cys	Leu
Gly	Ala	Asn	Thr
Met	Gly	Tyr	Ser
Tyr	Ser	Phe	Arg
210	215	220	
Phe	Leu	Thr	Val
Leu	Pro	Asp	Pro
Lys	Pro	Gly	Pro
225	230	235	240
Ser	Ser	Ser	Ala
Thr	Ser	Leu	Pro
Trp	Pro	Val	Val
Ile	Gly	Ile	
245	250	255	
Pro	Ala	Gly	Ala
Val	Phe	Ile	Leu
Gly	Thr	Leu	Leu
Leu	Trp	Leu	Cys
260	265	270	
Gln	Ala	Gln	Lys
Lys	Lys	Pro	Cys
Thr	Pro	Ala	Pro
Pro	Ala	Pro	Pro
Leu	Pro	Leu	Pro
275	280	285	
Gly	His	Arg	Pro
Pro	Pro	Gly	Thr
Ala	Arg	Asp	Arg
Ser	Gly	Asp	Lys
290	295	300	
Leu	Pro	Ser	Leu
Ala	Ala	Leu	Ser
Ala	Gly	Pro	Gly
305	310	315	320
Glu	Glu	His	Gly
Gly	Ser	Pro	Ala
Ala	Ala	Pro	Gln
His	Leu	Leu	Gly
325	330	335	
Pro	Val	Ala	Gly
Pro	Lys	Leu	Tyr
340	345	350	
His	His	Thr	His
Thr	Pro	His	Pro
Pro	Ala	Asn	
355	360	365	

<210> 1027

<211> 30

<212>Amino acid

<213> Homo sapiens

<400> 1027

Asn	Phe	His	Phe	Thr	Gly	Lys	Cys	Leu	Phe	Met	Ser	Gly	Leu	Ser	Glu
1				5				10		15					
Val	Gln	Leu	Thr	His	Met	Asp	Asp	His	Thr	Leu	Pro	Gly	Tyr		
					20				25		30				

<210> 1028

<211> 104

<212>Amino acid

<213> Homo sapiens

<400> 1028

Ser	Pro	Arg	Lys	Arg	Lys	Thr	Arg	His	Ser	Thr	Asn	Pro	Pro	Leu	Glu
1					5			10		15					
Cys	His	Val	Gly	Trp	Val	Met	Asp	Ser	Arg	Asp	His	Gly	Pro	Gly	Thr
					20			25		30					
Ser	Ser	Val	Ser	Thr	Ser	Asn	Ala	Ser	Pro	Ser	Glu	Gly	Ala	Pro	Leu
					35			40		45					
Ala	Gly	Ser	Tyr	Gly	Cys	Thr	Pro	His	Ser	Phe	Pro	Lys	Phe	Gln	His
					50			55		60					
Pro	Ser	His	Glu	Leu	Leu	Lys	Glu	Asn	Gly	Phe	Thr	Gln	Gln	Val	Tyr

65	70	75	80
His Lys Tyr Arg Arg Cys Leu Ser Glu Arg Lys Arg Leu Gly Ile			
85	90	95	
Gly Gln Ser Gln Glu Met Asn Thr			
100	104		

<210> 1029
 <211> 119
 <212>Amino acid
 <213> Homo sapiens

<400> 1029			
Pro Gly Ser Gly Gly Ser Ala Gly Gly Arg Asp Gly Ser Ala Tyr Gln			
1	5	10	15
Gly Ala Leu Leu Pro Arg Glu Gln Phe Ala Ala Pro Leu Gly Arg Pro			
20	25	30	
Val Gly Thr Ser Tyr Ser Ala Thr Tyr Pro Ala Tyr Val Ser Pro Asp			
35	40	45	
Val Ala Gln Ser Trp Thr Ala Gly Pro Phe Asp Gly Ser Val Leu His			
50	55	60	
Gly Leu Pro Gly Arg Arg Pro Thr Phe Val Ser Asp Phe Leu Glu Glu			
65	70	75	80
Phe Pro Gly Glu Gly Arg Glu Cys Val Asn Cys Gly Ala Leu Ser Thr			
85	90	95	
Pro Leu Trp Arg Arg Asp Gly Thr Gly His Tyr Leu Cys Asn Ala Cys			
100	105	110	
Gly Leu Tyr His Lys Met Asn			
115	119		

<210> 1030
 <211> 171
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(171)
 <223> X = any amino acid or stop code

<400> 1030			
Pro Asp His Arg His Gly Ala Leu Trp Trp Trp Tyr Ser Cys Gly Val			
1	5	10	15
Leu Pro Val Thr Val Ser Arg Asn Glu Gly Asp Glu Arg Asn Gln Val			
20	25	30	
Leu Thr Leu Tyr Leu Trp Ile Arg Gln Glu Trp Thr Asp Ala Tyr Leu			
35	40	45	
Arg Trp Asp Pro Asn Ala Tyr Gly Gly Leu Asp Ala Ile Arg Ile Pro			
50	55	60	
Ser Ser Leu Val Trp Arg Pro Asp Ile Val Leu Tyr Asn Lys Tyr Cys			
65	70	75	80
Leu Ser Ala Ala Pro Pro Leu Ser Tyr Pro Ser Leu Asp Leu Pro Leu			
85	90	95	
Ala Val Gly Val Xaa Xaa Ser Pro Leu Pro Thr Thr Xaa Pro Gly Cys			
100	105	110	

His Ala Ala Leu Glu Ala Phe Pro Gln Asp Pro Ser Lys Leu Pro Ser
 115 120 125
 Thr Gln Pro Leu His Gly Thr Pro Thr Leu Gly Tyr Pro Arg Pro Ala
 130 135 140
 Gln Ala Glu Arg Leu Leu Gly Thr Tyr Cys Val Val Gln Gly Arg Cys
 145 150 155 160
 Leu Asn His Lys Gly Leu Ser Arg Ala His Phe
 165 170 171

<210> 1031
 <211> 198
 <212>Amino acid
 <213> Homo sapiens

<400> 1031
 Tyr Ala Leu Thr Gly Ala Leu Val Ile Val Thr Gly Met Val Met Gly
 1 5 10 15
 Asn Ile Ala Asp Tyr Phe Asn Leu Pro Val Ser Ser Met Ser Asn Thr
 20 25 30
 Phe Thr Phe Leu Asn Ala Gly Ile Leu Ile Ser Ile Phe Leu Asn Ala
 35 40 45
 Trp Leu Met Glu Ile Val Pro Leu Lys Thr Gln Leu Arg Phe Gly Phe
 50 55 60
 Leu Leu Met Val Leu Ala Val Ala Gly Leu Met Phe Ser His Ser Leu
 65 70 75 80
 Ala Leu Phe Ser Ala Ala Met Phe Ile Leu Gly Val Val Ser Gly Ile
 85 90 95
 Thr Met Ser Ile Gly Thr Phe Leu Val Thr Gln Met Tyr Glu Gly Arg
 100 105 110
 Gln Arg Gly Ser Arg Leu Leu Phe Thr Asp Ser Phe Phe Ser Met Ala
 115 120 125
 Gly Met Ile Phe Pro Met Ile Ala Ala Phe Leu Leu Ala Arg Ser Ile
 130 135 140
 Glu Trp Tyr Trp Val Tyr Ala Cys Ile Gly Leu Val Tyr Val Ala Ile
 145 150 155 160
 Phe Ile Leu Thr Phe Gly Cys Glu Phe Pro Ala Leu Cys Ser His Ala
 165 170 175
 Thr Lys Leu Gly Thr Ala Ser Ser Tyr Pro Ser Leu Asp Val Val Gln
 180 185 190
 Leu Arg Thr Leu Asn Ala
 195 198

<210> 1032
 <211> 138
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(138)
 <223> X = any amino acid or stop code

<400> 1032
 Met Ala Lys Val Gly Leu Lys Thr Glu His Tyr Asp Arg Tyr Pro His

1	5	10	15
Met Phe Ser Gly Gly Gln Arg Gln Arg Ile Ala Ile Ala Arg Gly Leu			
20	25	30	
Met Leu Asp Pro Asp Val Val Ile Ala Asp Glu Pro Val Ser Ala Leu			
35	40	45	
Asp Val Ser Val Arg Ala Gln Val Leu Asn Leu Met Met Asp Leu Gln			
50	55	60	
Gln Glu Leu Gly Leu Ser Tyr Val Phe Ile Ser His Asp Leu Ser Val			
65	70	75	80
Val Glu His Ile Ala Asp Glu Val Met Val Met Tyr Leu Gly Arg Cys			
85	90	95	
Val Glu Lys Gly Thr Lys Asp Gln Ile Phe Asn Asn Pro Arg His Pro			
100	105	110	
Tyr Thr Gln Ala Leu Leu Ser Ala Thr Pro Arg Leu Asn Pro Asp Asp			
115	120	125	
Arg Arg Glu Arg Ile Lys Leu Ser Xaa *			
130	135	137	

<210> 1033

<211> 141

<212>Amino acid

<213> Homo sapiens

<400> 1033

1	5	10	15
Ser Ala Thr Leu Glu Arg Val Leu Asn His Pro Asp Glu Thr Gln Ala			
20	25	30	
Arg Arg Leu Met Thr Leu Glu Asp Ile Val Ser Gly Tyr Ser Asn Val			
35	40	45	
Leu Ile Ser Leu Ala Asp Ser Gln Gly Lys Thr Val Tyr His Ser Pro			
50	55	60	
Gly Ala Pro Asp Ile Arg Glu Phe Thr Arg Asp Ala Ile Pro Asp Lys			
65	70	75	80
Asp Ala Gln Gly Glu Val Tyr Leu Leu Ser Gly Pro Thr Met Met			
85	90	95	
Ile Asn Leu Pro Val Gly Pro Leu Val Asp Gly Lys Pro Ile Tyr Thr			
100	105	110	
Leu Tyr Ile Ala Leu Ser Ile Asp Phe His Leu His Tyr Ile Asn Asp			
115	120	125	
Leu Met Asn Lys Leu Ile Met Thr Ala Ser Val Ile Ile			
130	135	140	141

<210> 1034

<211> 112

<212>Amino acid

<213> Homo sapiens

<400> 1034

1	5	10	15
Val Leu Ala Tyr Pro Gly Ile Lys Val Ser Thr Ala Glu Ala Arg Ala			
20	25	30	
Ile Leu Pro Ala Gln Tyr Arg Arg Gln Asp Cys Ile Ala His Gly Arg			
His Leu Ala Gly Phe Ile His Ala Cys Tyr Ser Arg Gln Pro Glu Leu			

35	40	45
Ala Ala Lys Leu Met Lys Asp Val Ile Ala Glu Pro Tyr Arg Glu Arg		
50	55	60
Leu Leu Pro Gly Phe Arg Gln Ala Arg Gln Ala Val Ala Glu Ile Gly		
65	70	75
Ala Val Ala Ser Gly Ile Ser Gly Ser Gly Pro Thr Leu Phe Ala Leu		
85	90	95
Cys Asp Lys Pro Glu Thr Ala Gln Arg Val Ala Asp Trp Leu Gly Lys		
100	105	110 112

<210> 1035

<211> 92

<212>Amino acid

<213> Homo sapiens

<400> 1035

Gly Gln Gln Gln Arg Val Ala Leu Ala Arg Ala Leu Ile Leu Lys Pro			
1	5	10	15
Lys Val Leu Leu Phe Asp Glu Pro Leu Ser Asn Leu Asp Ala Asn Leu			
20	25	30	
Arg Arg Ser Met Arg Asp Lys Ile Arg Glu Leu Gln Lys Gln Phe Asp			
35	40	45	
Ile Thr Ser Leu Tyr Val Thr His Asp Gln Ser Glu Ala Phe Ala Val			
50	55	60	
Ser Asp Thr Val Leu Val Met Asn Lys Gly His Ile Met Gln Ile Gly			
65	70	75	80
Ser Pro Gln Asp Leu Arg Val Arg Arg Leu Asn Trp			
85	90	92	

<210> 1036

<211> 51

<212>Amino acid

<213> Homo sapiens

<400> 1036

Ala Val His Tyr Leu Glu Arg Val Arg Ile Ala Glu His Ala His Lys			
1	5	10	15
Phe Pro Gly Gln Ile Ser Gly Gly Gln Gln Arg Val Ala Ile Ala			
20	25	30	
Arg Ser Leu Cys Met Lys Pro Lys Ile Met Leu Phe Asp Glu Pro Thr			
35	40	45	
Ser Ala Leu			
50	51		

<210> 1037

<211> 72

<212>Amino acid

<213> Homo sapiens

<400> 1037
 Ala Pro Tyr Asp Ala Glu Asn Tyr Phe Asp Tyr Asp Asn Leu Asn Asn
 1 5 10 15
 Gly Pro Ser Leu Gln His Trp Phe Gly Val Asp Ser Leu Gly Arg Asp
 20 25 30
 Ile Phe Ser Arg Val Leu Val Gly Ala Gln Ile Ser Leu Ala Ala Gly
 35 40 45
 Val Phe Ala Val Phe Ile Gly Ala Ala Ile Gly Thr Leu Leu Gly Leu
 50 55 60
 Leu Ala Gly Tyr Tyr Glu Gly Trp
 65 70 72

<210> 1038
<211> 188
<212>Amino acid
<213> Homo sapiens

<400> 1038
 Val Phe Cys Leu Ile Ala Asp Leu Asp Pro Ile Asp Glu Leu Val Asp
 1 5 10 15
 Phe Pro Ile Val Tyr Ala Ser Ala Leu Asn Gly Ile Ala Gly Leu Asp
 20 25 30
 His Glu Asp Met Ala Glu Asp Met Thr Pro Leu Tyr Gln Ala Ile Val
 35 40 45
 Asp His Val Pro Ala Pro Asp Val Asp Leu Asp Gly Pro Phe Gln Met
 50 55 60
 Gln Ile Ser Gln Leu Asp Tyr Asn Ser Tyr Val Gly Val Ile Gly Ile
 65 70 75 80
 Gly Arg Ile Lys Arg Gly Lys Val Lys Pro Asn Gln Gln Val Thr Ile
 85 90 95
 Ile Asp Ser Glu Gly Lys Thr Arg Asn Ala Lys Val Gly Lys Val Leu
 100 105 110
 Gly His Leu Gly Leu Glu Arg Ile Glu Thr Asp Leu Ala Glu Ala Gly
 115 120 125
 Asp Ile Val Ala Ile Thr Gly Leu Gly Glu Leu Asn Ile Ser Asp Thr
 130 135 140
 Val Cys Asp Thr Gln Asn Val Glu Ala Leu Pro Ala Leu Ser Val Asp
 145 150 155 160
 Glu Pro Thr Val Ser Met Phe Phe Cys Val Asn Thr Ser Pro Phe Cys
 165 170 175
 Gly Lys Glu Gly Lys Phe Val Thr Ser Arg Gln Ile
 180 185 188

<210> 1039
<211> 122
<212>Amino acid
<213> Homo sapiens

<400> 1039
 Gin Gly Thr Arg Ala Glu Ser Gln Gly Ser Ser Lys Asp Lys Thr Arg
 1 5 10 15
 Leu Ala Phe Ala Gly Leu Lys Phe Gly Asp Tyr Gly Ser Ile Asp Tyr

	20		25		30										
Gly	Arg	Asn	Tyr	Gly	Val	Ala	Tyr	Asp	Ile	Gly	Ala	Trp	Thr	Asp	Val
	35			40						45					
Leu	Pro	Glu	Phe	Gly	Gly	Asp	Thr	Trp	Thr	Gln	Thr	Asp	Val	Phe	Met
	50			55						60					
Thr	Gln	Arg	Ala	Thr	Gly	Val	Ala	Thr	Tyr	Arg	Asn	Asn	Asp	Phe	Phe
	65			70					75				80		
Gly	Leu	Val	Asp	Gly	Leu	Asn	Phe	Ala	Ala	Gln	Tyr	Gln	Gly	Lys	Asn
	85				90						95				
Asp	Arg	Ser	Asp	Phe	Asp	Asn	Tyr	Thr	Glu	Gly	Asn	Gly	His	Gly	Phe
	100			105							110				
Gly	Phe	Ser	Ala	Thr	Tyr	Glu	Tyr	Glu	Gly						
	115				120			122							

<210> 1040

<211> 65

<212>Amino acid

<213> Homo sapiens

<400> 1040

Asp	Thr	Tyr	Ser	Val	Ser	Ile	Pro	Leu	Gly	Ala	Thr	Ile	Asn	Met	Ala
	1			5				10					15		
Gly	Ala	Ala	Ile	Thr	Ile	Thr	Val	Leu	Thr	Leu	Ala	Ala	Val	Asn	Thr
			20				25					30			
Leu	Gly	Ile	Pro	Val	Asp	Leu	Pro	Thr	Ala	Leu	Leu	Leu	Ser	Val	Val
	35				40						45				
Ala	Ser	Leu	Cys	Ala	Cys	Gly	Ala	Ser	Gly	Val	Ala	Gly	Gly	Ser	Leu
												50			60
Leu															
	65														

<210> 1041

<211> 46

<212>Amino acid

<213> Homo sapiens

<400> 1041

Ala	Asn	Ala	Gln	Gln	Gly	Leu	Pro	Ser	Gly	Ile	Thr	Leu	Lys	Leu	Asn
	1			5				10				15			
Asn	Leu	Val	Asp	Lys	Gly	Leu	Val	Asp	Arg	Leu	Tyr	Ala	Ala	Ser	Ser
		20				25					30				
Ser	Gly	Val	Pro	Val	Asn	Leu	Leu	Val	Arg	Gly	Thr	Cys	Ser		
								35			40		45	46	

<210> 1042

<211> 146

<212>Amino acid

<213> Homo sapiens

<400> 1042

Ala Arg Met Thr Leu Ile Pro Gly Thr His Leu Leu Glu Asn Ile His
 1 5 10 15
 Asn Ile Trp Val Asn Gly Val Gly Thr Asn Ser Ala Pro Phe Trp Arg
 20 25 30
 Met Leu Leu Asn Ser Phe Val Met Ala Phe Ser Ile Thr Leu Gly Lys
 35 40 45
 Ile Thr Val Ser Met Leu Ser Ala Phe Ala Ile Val Trp Phe Arg Phe
 50 55 60
 Pro Leu Arg Asn Leu Phe Phe Trp Met Ile Phe Ile Thr Leu Met Leu
 65 70 75 80
 Pro Val Glu Val Arg Ile Phe Pro Thr Val Glu Val Ile Ala Asn Leu
 85 90 95
 Gln Met Leu Asp Ser Tyr Ala Gly Leu Thr Leu Pro Leu Met Ala Ser
 100 105 110
 Ala Thr Ala Thr Phe Leu Phe Arg Lys Leu Asn Met Ser Gly Pro Asp
 115 120 125
 Lys Val Val Pro Ala Ala Arg Ile Ser Gly Tyr Gly Pro Arg Val Arg
 130 135 140
 Lys Gln
 145 146

<210> 1043
<211> 133
<212>Amino acid
<213> Homo sapiens

<400> 1043

Cys Ala Lys Cys Leu Arg Asp Ala Asp Glu Cys Pro Ser Gly Ala Phe
 1 5 10 15
 Glu Arg Ile Gly Arg Asp Ile Ser Leu Asp Ala Leu Glu Arg Glu Val
 20 25 30
 Met Lys Asp Asp Ile Phe Phe Arg Thr Ser Gly Gly Val Thr Leu
 35 40 45
 Ser Gly Gly Glu Val Leu Met Gln Ala Glu Phe Ala Thr Arg Phe Leu
 50 55 60
 Gln Arg Leu Arg Leu Trp Gly Val Ser Cys Ala Ile Glu Thr Ala Gly
 65 70 75 80
 Asp Ala Pro Ala Ser Lys Leu Leu Pro Leu Ala Lys Leu Cys Asp Glu
 85 90 95
 Val Leu Phe Asp Leu Lys Ile Met Asp Ala Thr Gln Ala Arg Asp Val
 100 105 110
 Val Lys Met Asn Leu Pro Arg Val Leu Glu Asn Leu Arg Leu Leu Val
 115 120 125
 Ser Glu Gly Val Asn
 130 133

<210> 1044
<211> 115
<212>Amino acid
<213> Homo sapiens

<400> 1044
Tyr Leu Leu Leu Phe Val Cys Phe Leu Val Met Ser Leu Leu Val Gly

1	5	10	15
Leu Val Tyr Lys Phe Thr Ala Glu Arg Ala Gly Lys Gln Ser Leu Asp			
20	25	30	
Asp Leu Met Asn Ser Ser Leu Tyr Leu Met Arg Ser Glu Leu Arg Glu			
35	40	45	
Ile Pro Pro His Asp Trp Gly Lys Thr Leu Lys Glu Met Asp Leu Asn			
50	55	60	
Leu Ser Phe Asp Leu Arg Val Glu Pro Leu Ser Lys Tyr His Leu Asp			
65	70	75	80
Asp Ile Ser Met His Arg Leu Arg Gly Gly Glu Ile Val Ala Leu Asp			
85	90	95	
Asp Gln Tyr Thr Phe Leu Gln Arg Ile Pro Arg Ser His Tyr Val Leu			
100	105	110	
Ala Val Gly			
115			

<210> 1045
 <211> 69
 <212>Amino acid
 <213> Homo sapiens

<400> 1045			
Val Glu Leu Phe Leu Ser Asp Glu Gly Asp Asp Val Val Ile Glu Val			
1	5	10	15
Ala Asp Gln Gly Cys Gly Val Pro Glu Ser Leu Arg Asp Lys Ile Phe			
20	25	30	
Glu Gln Gly Val Ser Thr Arg Ala Asp Glu Pro Gly Glu His Gly Ile			
35	40	45	
Gly Leu Tyr Leu Ile Ala Ser Tyr Val Thr Arg Cys Gly Gly Val Ile			
50	55	60	
Thr Leu Glu Asp Asn			
65	69		

<210> 1046
 <211> 69
 <212>Amino acid
 <213> Homo sapiens

<400> 1046			
Asp Ala Ile Ile Ala Pro Asp Ala Asn Ala Leu Pro Ala Ala Ala Gln			
1	5	10	15
Ala Ala Glu Asn Leu Lys Asn Asp Lys Val Ala Ile Val Gly Phe Ser			
20	25	30	
Thr Pro Asn Val Met Arg Pro Tyr Val Glu Arg Gly Thr Val Lys Glu			
35	40	45	
Phe Gly Leu Trp Asp Val Val Gln Gln Gly Lys Ile Ser Val Tyr Val			
50	55	60	
Ala Asp Ala Leu Gln			
65	69		

<210> 1047
 <211> 43
 <212>Amino acid

<213> Homo sapiens

<400> 1047

Tyr	Ile	Val	Val	Thr	Gly	Lys	Thr	His	Cys	Gly	Thr	Pro	Leu	Thr	Thr
1				5					10					15	
Val	Thr	Gly	Asp	Ala	Thr	Gln	Ser	Gly	Tyr	Leu	Thr	Leu	Asn	Leu	Pro
			20						25					30	
Glu	Met	Trp	Glu	Val	Ser	Gly	Tyr	Asn	Arg	Val					
			35				40		43						

<210> 1048

<211> 77

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(77)

<223> X = any amino acid or stop code

<400> 1048

Xaa	Glu	Gly	Val	Glu	Pro	Asp	Ile	Asn	Ala	Ser	Lys	Thr	Arg	Gln	Gln
1					5					10				15	
Leu	Asn	Asp	Val	Ala	Gly	Lys	Met	Lys	Ile	Ile	Glu	Ala	Arg	Leu	Ser
					20				25				30		
Ala	Leu	Thr	Asn	Asn	Gln	Thr	Lys	Ser	Leu	Lys	Leu	Asn	Pro	Val	Ala
					35			40				45			
Leu	Pro	Lys	Val	Ala	Ser	Gln	Leu	Leu	Asp	Glu	Leu	Gly	Tyr	Ser	Leu
					50			55			60				
Leu	Ala	Arg	Arg	Ala	Asp	Leu	Gln	Ser	Ala	His	Xaa	*			
					65			70			75	76			

<210> 1049

<211> 79

<212>Amino acid

<213> Homo sapiens

<400> 1049

Glu	Asn	Ile	Ala	Glu	Glu	Tyr	Ala	Thr	Lys	Arg	Tyr	Arg	Ser	Asn	Val
1					5				10				15		
Ile	Asn	Trp	Gly	Met	Leu	Pro	Leu	Gln	Met	Ala	Glu	Val	Pro	Thr	Phe
					20				25				30		
Glu	Val	Gly	Asp	Tyr	Ile	Tyr	Ile	Pro	Gly	Ile	Lys	Ala	Ala	Leu	Asp
					35			40			45				
Asn	Pro	Gly	Thr	Thr	Phe	Lys	Gly	Tyr	Val	Ile	His	Glu	Asp	Ala	Pro
					50			55			60				
Val	Thr	Glu	Ile	Thr	Leu	Tyr	Met	Glu	Ser	Gln	Glu	Ala	Arg	Thr	
					65			70			75		79		

<210> 1050
<211> 99
<212>Amino acid
<213> Homo sapiens

<400> 1050
Leu Gln Thr Glu Ile Gly Ser Met Val Tyr Ala Val Lys Pro Gly Asp
1 5 10 15
Gly Ser Ala Arg Glu Gln Ala Ala Ser Cys Gln Arg Val Ile Gly Gly
20 25 30
Leu Ala Asn Ile Ala Glu Glu Tyr Ala Thr Lys Arg Tyr Arg Ser Asn
35 40 45
Val Ile Asn Trp Gly Met Leu Pro Leu Gln Met Ala Glu Val Pro Thr
50 55 60
Phe Glu Val Gly Asp Tyr Ile Tyr Ile Leu Gly Phe Lys Ala Ala Lys
65 70 75 80
Tyr Ser Pro Gly Thr Ala Phe Thr Val Tyr Ala Ile Ser Gly Tyr Gly
85 90 95
Pro Arg Ile
99

<210> 1051
<211> 114
<212>Amino acid
<213> Homo sapiens

<400> 1051
Thr Leu Glu Asp Leu Leu Met Ala Leu Asp Gly Glu Gln His Leu Gln
1 5 10 15
Gln Gln Val Ser Glu Lys Val Leu Ala Asp Asn Val Leu Ile Ala Pro
20 25 30
Gly Ser Val Lys Pro Asp Ala Thr Phe Trp Ser Ala Leu Ile Gln Asp
35 40 45
Arg Tyr Asn Val Met Thr Cys Ile Glu Lys Asp Ala Cys Val Leu Val
50 55 60
Glu Gln Asp Leu Asn Ser Asp Gly Gln Ala Glu Arg Ile Leu Phe Ala
65 70 75 80
Phe Asn Asp Asp Arg Val Ile Val Tyr Gly Phe Asp Ser Asp Arg Lys
85 90 95
Glu Trp Asp Ala Leu Asp Met Ser Leu Leu Pro Asn Glu Ile Thr Lys
100 105 110
Glu Lys
114

<210> 1052
<211> 210
<212>Amino acid
<213> Homo sapiens

<400> 1052

Glu Ser Asn Ser Arg Cys Arg Lys Met Pro Gly Glu Arg Cys Arg Gly
 1 5 10 15
 Gly Pro Ala Arg Leu Ser Leu Leu Leu Asp Leu Pro Thr Arg Pro Leu
 20 25 30
 Pro His Pro Arg Gln Val Ile Asp Phe Gly Ser Ala Ser Ile Phe Ser
 35 40 45
 Glu Val Arg Tyr Val Lys Glu Pro Tyr Ile Gln Ser Arg Phe Tyr Arg
 50 55 60
 Ala Pro Glu Ile Leu Leu Gly Leu Pro Phe Cys Glu Lys Val Asp Val
 65 70 75 80
 Trp Ser Leu Gly Cys Val Met Asp Glu Leu His Leu Gly Trp Pro Leu
 85 90 95
 Tyr Pro Gly Asn Asn Glu Tyr Asp Gln Val Arg Tyr Ile Cys Glu Thr
 100 105 110
 Gln Gly Leu Pro Lys Pro His Leu Leu His Ala Ala Cys Lys Ala His
 115 120 125
 His Phe Phe Lys Arg Asn Pro His Pro Asp Ala Ala Asn Pro Trp Gln
 130 135 140
 Leu Lys Ser Ser Ala Asp Tyr Leu Ala Glu Thr Lys Val Arg Pro Leu
 145 150 155 160
 Glu Arg Arg Lys Tyr Met Leu Lys Ser Leu Asp Gln Ile Glu Thr Val
 165 170 175
 Asn Gly Gly Ser Val Ala Ser Arg Leu Thr Phe Pro Asp Arg Glu Ala
 180 185 190
 Leu Ala Glu His Ala Asp Leu Lys Ser Met Val Glu Leu Met Lys Arg
 195 200 205
 Leu Leu
 210

<210> 1053
 <211> 100
 <212>Amino acid
 <213> Homo sapiens

<400> 1053
 Arg Leu Val Lys Lys Arg Val Glu Cys Arg Gln Cys Gly Lys Ala Gly
 1 5 10 15
 Arg Asn Gln Ser Thr Leu Lys Thr His Met Arg Ser His Thr Gly Glu
 20 25 30
 Lys Pro Tyr Glu Cys Asp His Cys Gly Lys Ala Phe Ser Ile Gly Ser
 35 40 45
 Asn Leu Asn Val His Arg Arg Ile His Thr Gly Glu Lys Pro Tyr Glu
 50 55 60
 Cys Leu Val Cys Gly Glu Ala Phe Ser Asp His Ser Ser Leu Arg Ser
 65 70 75 80
 His Val Lys Thr His Arg Gly Glu Lys Leu Phe Val Ser Ser Val Trp
 85 90 95
 Lys Arg Leu Gln
 100

<210> 1054
 <211> 194
 <212>Amino acid
 <213> Homo sapiens

<400> 1054

Cys	Gly	Pro	Gly	Phe	Ser	Leu	Ser	Phe	Phe	Phe	Leu	Arg	Trp	Ser	Phe
1				5				10				15			
Ala	Leu	Val	Ala	Gln	Ala	Gly	Val	Gln	Trp	His	Asp	Leu	Gly	Ser	Leu
				20				25				30			
Gln	Pro	Pro	Ala	Pro	Gly	Phe	Lys	Arg	Phe	Ser	Ser	Leu	Ser	Leu	Leu
				35			40				45				
Ser	Arg	Trp	Asp	Tyr	Arg	His	Ala	His	Ala	Arg	Leu	Ile	Phe	Val	Phe
	50				55			60							
Leu	Val	Glu	Met	Gly	Phe	Leu	His	Val	Gly	Gln	Ala	Gly	Leu	Glu	Leu
	65				70			75				80			
Pro	Thr	Ser	Gly	Asp	Pro	Pro	Thr	Ser	Ala	Ser	Gln	Ser	Ala	Arg	Ile
	85						90				95				
Thr	Gly	Val	Thr	Thr	Pro	Leu	Gly	Thr	Phe	Phe	Phe	Leu	Arg	Trp	
	100						105				110				
Ser	Phe	Ala	Leu	Val	Ala	Gln	Ala	Gly	Gly	Gln	Cys	Leu	Asp	Leu	Gly
	115					120				125					
Ser	Leu	Gln	Leu	Pro	Pro	Gly	Phe	Lys	Arg	Leu	Val	Cys	His	Phe	
	130				135			140							
Gln	Thr	Pro	Gln	Lys	His	Arg	Cys	Ser	Cys	Gln	Ala	Pro	Gly	Asp	Cys
145					150			155				160			
Leu	Gln	Glu	Ser	Phe	Val	Met	Thr	Gly	Cys	Val	Leu	Arg	Thr	Val	Ser
	165					170			175						
Glu	Ser	Val	Gln	Arg	Ala	Asn	Ala	Gly	Ala	Gly	Ala	Glu	Thr	Val	Gln
	180					185			190						
Gly	Leu														
	194														

<210> 1055
<211> 351
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(351)
<223> X = any amino acid or stop code

<400> 1055

Met	Gly	Asn	Ala	Ala	Ala	Ala	Lys	Lys	Gly	Ser	Glu	Gln	Glu	Ser	Val
1							5		10			15			
Lys	Glu	Phe	Leu	Ala	Lys	Ala	Lys	Glu	Asp	Phe	Leu	Lys	Lys	Trp	Glu
							20		25			30			
Ser	Pro	Ala	Gln	Asn	Thr	Ala	His	Leu	Asp	Gln	Phe	Glu	Arg	Ile	Lys
							35		40			45			
Thr	Leu	Gly	Thr	Gly	Ser	Phe	Gly	Arg	Val	Met	Leu	Val	Lys	His	Lys
						50		55			60				
Glu	Thr	Gly	Asn	His	Tyr	Ala	Met	Lys	Ile	Leu	Asp	Xaa	Gln	Lys	Val
						65		70			75		80		
Gly	Lys	Leu	Lys	Gln	Ile	Glu	His	Thr	Leu	Asn	Glu	Lys	Arg	Ile	Leu
						85		90			95				
Gln	Ala	Ala	Val	Asn	Phe	Pro	Phe	Leu	Val	Lys	Leu	Glu	Phe	Ser	Phe
						100		105			110				
Asp	Asn	Ser	Asn	Leu	Tyr	Met	Val	Met	Glu	Tyr	Val	Pro	Gly	Gly	Glu
						115		120			125				
Met	Phe	Ser	His	Leu	Arg	Arg	Ile	Gly	Arg	Phe	Ser	Glu	Pro	His	Ala
						130		135			140				
Arg	Phe	Tyr	Ala	Ala	Gln	Ile	Val	Leu	Thr	Phe	Glu	Tyr	Leu	His	Ser

145	150	155	160
Leu Asp Leu Ile Tyr Arg Asp Leu Lys Pro Glu Asn Leu Leu Ile Asp			
165	170	175	
Gln Gln Gly Tyr Ile Gln Val Thr Asp Phe Gly Phe Ala Lys Arg Val			
180	185	190	
Lys Gly Arg Thr Trp Thr Leu Cys Gly Thr Pro Glu Tyr Leu Ala Pro			
195	200	205	
Glu Ile Ile Leu Ser Lys Gly Tyr Asn Lys Ala Val Asp Trp Trp Ala			
210	215	220	
Leu Gly Val Leu Ile Tyr Glu Met Ala Ala Gly Tyr Pro Pro Phe Phe			
225	230	235	240
Ala Asp Gln Pro Ile Gln Ile Tyr Glu Lys Ile Val Ser Gly Lys Val			
245	250	255	
Arg Phe Pro Ser His Phe Ser Ser Asp Leu Lys Asp Leu Leu Arg Asn			
260	265	270	
Leu Leu Gln Val Asp Leu Thr Lys Arg Phe Gly Asn Leu Lys Asn Gly			
275	280	285	
Val Asn Asp Ile Lys Asn His Lys Trp Phe Ala Thr Thr Asp Trp Ile			
290	295	300	
Ala Ile Tyr Gln Arg Lys Val Glu Ala Pro Phe Ile Pro Lys Phe Lys			
305	310	315	320
Gly Pro Gly Asp Thr Ser Asn Phe Asp Asp Tyr Glu Glu Glu Ile			
325	330	335	
Arg Val Ser Ile Asn Glu Lys Phe Gly Lys Glu Phe Ser Glu Phe			
340	345	350	351

<210> 1056
<211> 136
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(136)
<223> X = any amino acid or stop code

<400> 1056			
Ser Ser Ser Arg Ser Ser His Gly Asp Ser Pro Pro His Ser Gln Thr			
1	5	10	15
Pro Cys Asp Thr Asn Arg Gly Leu Asp Thr Lys His Xaa Asp Ser Gln			
20	25	30	
Ser Ile Glu Glu Lys Asp Ser Ser Gln Ser Glu Xaa Asn Arg Ile Glu			
35	40	45	
Arg Arg Lys Glu Val Glu Arg Ile Leu Gln Thr Asn Ser Asp Tyr Met			
50	55	60	
Xaa His Trp Ser Asn Xaa Pro Glu Asn Ile Leu Pro Lys Lys Phe Phe			
65	70	75	80
Ser Lys His Gln Lys Cys Thr Ala Thr Leu Ser Met Arg Asn Thr Ser			
85	90	95	
Ile Met Lys Lys Glu Gly Leu Phe Xaa Ala Gln Phe Pro Ser Leu Leu			
100	105	110	
Leu Ser His Leu Pro Ala Val Gly Leu Gly Ile Tyr Thr Gly Thr His			
115	120	125	
Leu Thr Thr Ser Thr Ser Thr Phe			
130	135	136	

<210> 1057
<211> 79

<212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(79)
 <223> X = any amino acid or stop code

<400> 1057
 Thr Phe His Ser Ser Leu Glu Lys Asn Ile Leu Gln Pro Cys Arg Xaa
 1 5 10 15
 Arg Arg Ala Ile Cys Leu Pro Leu Leu Xaa Pro Ser Val Pro Leu
 20 25 30
 Leu Ala Pro Gln Tyr Phe Ser Asp Leu Arg Asn Ser Ile Val Asn Ser
 35 40 45
 Gln Pro Pro Glu Lys Gln Gln Ala Met His Leu Cys Phe Glu Asn Leu
 50 55 60
 Met Glu Gly Ile Glu Arg Asn Leu Leu Thr Lys Asn Arg Asp Arg
 65 70 75 79

<210> 1058
 <211> 458
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(458)
 <223> X = any amino acid or stop code

<400> 1058
 Gly Thr Ser Gly Val Gln Gln Glu Ile Ser Arg Leu Thr Asn Glu Asn
 1 5 10 15
 Leu Asp Leu Lys Glu Leu Val Glu Lys Leu Glu Lys Asn Glu Arg Lys
 20 25 30
 Leu Lys Lys Gln Leu Lys Ile Tyr Met Lys Lys Ala Gln Asp Leu Glu
 35 40 45
 Ala Ala Gln Ala Leu Ala Gln Ser Glu Arg Lys Arg His Glu Leu Asn
 50 55 60
 Arg Gln Val Thr Val Gln Arg Lys Glu Lys Asp Phe Gln Gly Met Leu
 65 70 75 80
 Glu Tyr His Lys Glu Asp Glu Ala Leu Leu Ile Arg Asn Leu Val Thr
 85 90 95
 Asp Leu Lys Pro Gln Met Leu Ser Gly Thr Val Pro Cys Leu Pro Ala
 100 105 110
 Tyr Ile Leu Tyr Met Cys Ile Arg His Ala Asp Tyr Thr Asn Asp Asp
 115 120 125
 Leu Lys Val His Ser Leu Leu Thr Ser Thr Ile Asn Gly Ile Lys Lys
 130 135 140
 Val Leu Lys Lys His Asn Asp Asp Phe Glu Met Thr Ser Phe Trp Leu
 145 150 155 160
 Ser Asn Thr Cys Arg Leu Leu His Cys Leu Lys Gln Tyr Ser Gly Asp
 165 170 175
 Glu Gly Phe Met Thr Gln Asn Thr Ala Lys Gln Asn Glu His Cys Leu
 180 185 190

Lys Asn Phe Asp Leu Thr Glu Tyr Arg Gln Val Leu Ser Asp Leu Ser
 195 200 205
 Ile Gln Ile Tyr Gln Gln Leu Ile Lys Ile Ala Glu Gly Val Leu Gln
 210 215 220
 Pro Met Ile Val Ser Ala Met Leu Glu Asn Xaa Ser Ile Gln Gly Leu
 225 230 235 240
 Ser Gly Val Lys Pro Thr Gly Ser Gln Lys His Ser Ser Ser Met Ala
 245 250 255
 Asp Glu Asp Asn Ser Tyr Arg Leu Glu Ala Ile Ile Arg Gln Met Asn
 260 265 270
 Ala Phe His Thr Val Met Cys Asp Gln Gly Leu Asp Pro Glu Ile Ile
 275 280 285
 Leu Gln Val Phe Lys Gln Leu Phe Tyr Met Ile Asn Ala Val Thr Leu
 290 295 300
 Asn Asp Leu Leu Leu Arg Lys Asp Val Cys Ser Trp Ser Thr Gly Met
 305 310 315 320
 Gln Leu Arg Tyr Asn Ile Ser Gln Leu Glu Glu Trp Leu Arg Gly Arg
 325 330 335
 Asn Leu His Gln Ser Gly Ala Val Gln Thr Met Glu Pro Leu Ile Gln
 340 345 350
 Ala Ala Gln Leu Leu Gln Leu Lys Lys Thr Gln Glu Asp Ala Glu
 355 360 365
 Ala Ile Cys Ser Leu Cys Thr Ser Leu Ser Thr Gln Gln Ile Val Lys
 370 375 380
 Ile Leu Asn Leu Tyr Thr Pro Leu Asn Glu Phe Glu Glu Arg Val Thr
 385 390 395 400
 Val Ala Phe Ile Arg Thr Ile Gln Ala Gln Leu Gln Glu Arg Asn Asp
 405 410 415
 Pro Gln Gln Leu Leu Leu Asp Ala Lys His Met Phe Pro Val Leu Phe
 420 425 430
 Pro Phe Asn Pro Ser Ser Leu Thr Met Asp Ser Ile His Ile Pro Ala
 435 440 445
 Cys Leu Asn Leu Glu Phe Leu Asn Glu Val
 450 455 458

<210> 1059
<211> 82
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(82)
<223> X = any amino acid or stop code

<400> 1059
His Glu Glu Asn Thr Ile Leu Lys Ala Ala Glu Val Gln Val Pro Pro
 1 5 10 15
Lys Xaa Val Val Thr Pro Glu Ala Lys Ala Phe Ile Xaa Arg Cys Leu
 20 25 30
Ala Tyr Gln Lys Glu Asp Cys Ile Asp Ala Gln Gln Leu Ala Cys Asp
 35 40 45
Pro Tyr Leu Leu His Tyr Ile Gln Lys Leu Val Phe Val Ser Ser Pro
 50 55 60
Ala Gly Ala Ala Ile Ala Ser Thr Phe Gly Val Ser Asn Ser Cys Ser
 65 70 75 80
Ser Asn
 82

<210> 1060
 <211> 277
 <212>Amino acid
 <213> Homo sapiens

<400> 1060
 Gly Thr Thr Asp Glu Ile Met Thr Arg Trp Ala Arg Val Ser Thr Thr
 1 5 10 15
 Tyr Asn Lys Arg Pro Leu Pro Ala Thr Ser Trp Glu Asp Met Lys Lys
 20 25 30
 Gly Ser Phe Glu Gly Thr Ser Gln Asn Leu Pro Lys Arg Lys Gln Leu
 35 40 45
 Glu Ala Asn Arg Leu Ser Leu Lys Asn Asp Ala Pro Gln Ala Lys His
 50 55 60
 Lys Lys Asn Lys Lys Lys Lys Glu Tyr Leu Asn Glu Asp Val Asn Gly
 65 70 75 80
 Phe Met Glu Tyr Leu Arg Gln Asn Ser Gln Met Val His Asn Gly Gln
 85 90 95
 Ile Ile Ala Thr Asp Ser Glu Glu Val Arg Glu Glu Ile Ala Val Ala
 100 105 110
 Leu Lys Lys Asp Ser Arg Arg Glu Gly Arg Arg Leu Lys Arg Gln Ala
 115 120 125
 Ala Lys Lys Asn Ala Met Val Cys Phe His Cys Arg Lys Pro Gly His
 130 135 140
 Gly Ile Ala Asp Cys Pro Ala Ala Leu Glu Asn Gln Asp Met Gly Thr
 145 150 155 160
 Gly Ile Cys Tyr Arg Cys Gly Ser Thr Glu His Glu Ile Thr Lys Cys
 165 170 175
 Lys Ala Lys Val Asp Pro Ala Leu Gly Glu Phe Pro Phe Ala Lys Cys
 180 185 190
 Phe Val Cys Gly Glu Met Gly His Leu Ser Arg Ser Cys Pro Asp Asn
 195 200 205
 Pro Lys Gly Leu Tyr Ala Asp Gly Gly Cys Lys Leu Cys Gly Ser
 210 215 220
 Val Glu His Leu Lys Lys Asp Cys Pro Glu Ser Gln Asn Ser Glu Arg
 225 230 235 240
 Met Val Thr Val Gly Arg Trp Ala Lys Gly Met Ser Ala Asp Tyr Glu
 245 250 255
 Glu Ile Leu Asp Val Pro Lys Pro Gln Lys Pro Lys Thr Lys Ile Pro
 260 265 270
 Lys Val Val Asn Phe
 275 277

<210> 1061
 <211> 95
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(95)
 <223> X = any amino acid or stop code

<400> 1061

Asp His Val Arg Lys Ser Leu Leu Lys Asn Arg Ala Glu Asn Ile Val
 1 5 10 15
 Asn Ile Phe Lys Cys Asn Val Val Ser Leu Pro Asn Leu Pro Ala Phe
 20 25 30
 Gly Gln Ala Gln Trp Leu Thr Pro Val Ile Pro Ala Leu Trp Glu Ala
 35 40 45
 Glu Val Gly Gly Ser Xaa Gly Gln Glu Ile Glu Thr Ile Leu Ala Asn
 50 55 60
 Ala Val Lys Ser Pro Phe Leu Leu Lys Ile Gln Lys Lys Lys Ile Ser
 65 70 75 80
 Arg Ala Trp Trp Arg Ala Pro Val Ser Pro Arg Tyr Ser Gly Gly
 85 90 95

<210> 1062

<211> 259

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(259)

<223> X = any amino acid or stop code

<400> 1062

Ser Asp Ala Trp Ala Asp Ala Trp Ala Arg Ser Leu Ser Val Ser Pro
 1 5 10 15
 Ser Ser Tyr Pro Glu Leu His Thr Glu Val Pro Leu Ser Val Leu Ile
 20 25 30
 Leu Gly Leu Leu Val Val Phe Ile Leu Ser Val Cys Phe Gly Ala Gly
 35 40 45
 Leu Phe Val Phe Val Leu Lys Arg Arg Lys Gly Val Pro Ser Val Pro
 50 55 60
 Arg Asn Thr Asn Asn Leu Asp Val Ser Ser Phe Gln Leu Gln Tyr Gly
 65 70 75 80
 Ser Tyr Asn Thr Glu Thr His Asp Lys Thr Asp Gly His Val Tyr Asn
 85 90 95
 Tyr Ile Pro Pro Val Val Gln Met Cys Gln Asn Pro Ile Tyr Met
 100 105 110
 Ala Gly Arg Glu Gly Arg Pro Ser Ser Leu Leu Pro Lys Pro Gly Lys
 115 120 125
 Glu Phe Gln Leu Leu Gly Asn Leu Glu Glu Lys Lys Glu Glu Pro Ala
 130 135 140
 Thr Pro Ala Tyr Thr Ile Ser Ala Thr Glu Leu Leu Glu Lys Gln Ala
 145 150 155 160
 Thr Pro Arg Glu Pro Glu Leu Leu Tyr Gln Asn Ile Ala Glu Pro Ser
 165 170 175
 Gln Gly Thr Ser Thr Ala Gln Ala Xaa Ser Thr Ile Thr Phe Val Pro
 180 185 190
 Tyr Leu Lys Gly Gln Phe Ala Pro Ser Tyr Glu Ser Arg Arg Gln Asn
 195 200 205
 Gln Asp Arg Ile Asn Lys Thr Val Leu Tyr Gly Thr Pro Arg Lys Cys
 210 215 220
 Phe Val Gly Gln Ser Lys Pro Asn His Pro Leu Leu Gln Ala Lys Pro
 225 230 235 240
 Gln Ser Glu Pro Asp Tyr Leu Glu Val Leu Glu Lys Gln Thr Ala Ile
 245 250 255
 Ser Gln Leu
 259

<210> 1063
 <211> 498
 <212>Amino acid
 <213> Homo sapiens

<400> 1063
 Ala Leu Cys His Ile Ala Val Gly Gln Gln Met Asn Leu His Trp Leu
 1 5 10 15
 His Lys Ile Gly Leu Val Val Ile Leu Ala Ser Thr Val Val Ala Met
 20 25 30
 Ser Ala Val Ala Gln Leu Trp Glu Asp Glu Trp Glu Val Leu Leu Ile
 35 40 45
 Ser Leu Gln Gly Thr Ala Pro Phe Leu His Val Gly Ala Val Ala Ala
 50 55 60
 Val Thr Met Leu Ser Trp Ile Val Ala Gly Gln Phe Ala Arg Ala Glu
 65 70 75 80
 Arg Thr Ser Ser Gln Val Thr Ile Leu Cys Thr Phe Phe Thr Val Val
 85 90 95
 Phe Ala Leu Tyr Leu Ala Pro Leu Thr Ile Ser Ser Pro Cys Ile Met
 100 105 110
 Glu Lys Lys Asp Leu Gly Pro Lys Pro Ala Leu Ile Gly His Arg Gly
 115 120 125
 Ala Pro Met Leu Ala Pro Glu His Thr Leu Met Ser Phe Arg Lys Ala
 130 135 140
 Leu Glu Gln Lys Leu Tyr Gly Leu Gln Ala Asp Ile Thr Ile Ser Leu
 145 150 155 160
 Asp Gly Val Pro Phe Leu Met His Asp Thr Thr Leu Arg Arg Thr Thr
 165 170 175
 Asn Val Glu Glu Phe Pro Glu Leu Ala Arg Arg Pro Ala Ser Met
 180 185 190
 Leu Asn Trp Thr Thr Leu Gln Arg Leu Asn Ala Gly Gln Trp Phe Leu
 195 200 205
 Lys Thr Asp Pro Phe Trp Thr Ala Ser Ser Leu Ser Pro Ser Asp His
 210 215 220
 Arg Glu Ala Gln Asn Gln Ser Ile Cys Ser Leu Ala Glu Leu Leu Glu
 225 230 235 240
 Leu Ala Lys Gly Asn Ala Thr Leu Leu Leu Asn Leu Arg Asp Pro Pro
 245 250 255
 Arg Glu His Pro Tyr Arg Ser Ser Phe Ile Asn Val Thr Leu Glu Ala
 260 265 270
 Val Leu His Ser Gly Phe Pro Gln His Gln Val Met Trp Leu Pro Ser
 275 280 285
 Arg Gln Arg Pro Leu Val Arg Lys Val Ala Pro Gly Phe Gln Gln Thr
 290 295 300
 Ser Gly Ser Lys Glu Ala Val Ala Ser Leu Arg Arg Gly His Ile Gln
 305 310 315 320
 Arg Leu Asn Leu Arg Tyr Thr Gln Val Ser Arg Gln Glu Leu Arg Asp
 325 330 335
 Tyr Ala Ser Trp Asn Leu Ser Val Asn Leu Tyr Thr Val Asn Ala Pro
 340 345 350
 Trp Leu Phe Ser Leu Leu Trp Cys Ala Gly Val Pro Ser Val Thr Ser
 355 360 365
 Asp Asn Ser His Thr Leu Ser Gln Val Pro Ser Pro Leu Trp Ile Met
 370 375 380
 Pro Pro Asp Glu Tyr Cys Leu Met Trp Val Thr Ala Asp Leu Val Ser
 385 390 395 400
 Phe Thr Leu Ile Val Gly Ile Phe Val Leu Gln Lys Trp Arg Leu Gly
 405 410 415
 Gly Ile Arg Ser Tyr Asn Pro Glu Gln Ile Met Leu Ser Ala Ala Val

420	425	430
Arg Arg Thr Ser Arg Asp Val Ser Ile Met Lys Glu Lys Leu Ile Phe		
435	440	445
Ser Glu Ile Ser Asp Gly Val Glu Val Ser Asp Val Leu Ser Val Cys		
450	455	460
Ser Asp Asn Ser Tyr Asp Thr Tyr Ala Asn Ser Thr Ala Thr Pro Val		
465	470	475
Gly Pro Arg Gly Gly Ser His Thr Lys Thr Leu Ile Glu Arg Ser		480
485	490	495
Gly Arg		
498		

<210> 1064
<211> 374
<212>Amino acid
<213> Homo sapiens

<400> 1064		
Asn Ser Ala Asp Tyr Gly Asp Gly Pro Asp Ser Ser Asp Ala Asp Pro		
1	5	10
Asp Ser Gly Thr Glu Glu Gly Val Leu Asp Phe Ser Asp Pro Phe Ser		15
20	25	30
Thr Glu Val Lys Pro Arg Ile Leu Leu Met Gly Leu Arg Arg Ser Gly		
35	40	45
Lys Ser Ser Ile Gln Lys Val Val Phe His Lys Met Ser Pro Asn Glu		
50	55	60
Thr Leu Phe Leu Glu Ser Thr Asn Lys Ile Cys Arg Glu Asp Val Ser		
65	70	75
80		
Asn Ser Ser Phe Val Asn Phe Gln Ile Trp Asp Phe Pro Gly Gln Ile		
85	90	95
Asp Phe Phe Asp Pro Thr Phe Asp Tyr Glu Met Ile Phe Arg Gly Thr		
100	105	110
Gly Ala Leu Ile Phe Val Ile Asp Ser Gln Asp Asp Tyr Met Glu Ala		
115	120	125
Leu Ala Arg Leu His Leu Thr Val Thr Arg Ala Tyr Lys Val Asn Thr		
130	135	140
Asp Ile Asn Phe Glu Val Phe Ile His Lys Val Asp Gly Leu Ser Asp		
145	150	155
160		
Asp His Lys Ile Glu Thr Gln Arg Asp Ile His Gln Arg Ala Asn Asp		
165	170	175
Asp Leu Ala Asp Ala Gly Leu Glu Lys Ile His Leu Ser Phe Tyr Leu		
180	185	190
Thr Ser Ile Tyr Asp His Ser Ile Phe Glu Ala Phe Ser Lys Val Val		
195	200	205
Gln Lys Leu Ile Pro Gln Leu Pro Thr Leu Glu Asn Leu Leu Asn Ile		
210	215	220
Phe Ile Ser Asn Ser Gly Ile Glu Lys Ala Phe Leu Phe Asp Val Val		
225	230	235
240		
Ser Lys Ile Tyr Ile Ala Thr Asp Ser Thr Pro Val Asp Met Gln Thr		
245	250	255
Tyr Glu Leu Cys Cys Asp Met Ile Asp Val Val Ile Asp Ile Ser Cys		
260	265	270
Ile Tyr Gly Leu Lys Glu Asp Gly Ala Gly Thr Pro Tyr Asp Lys Glu		
275	280	285
Ser Thr Ala Ile Ile Lys Leu Asn Asn Thr Thr Val Leu Tyr Leu Lys		
290	295	300
Glu Val Thr Lys Phe Leu Ala Leu Val Cys Phe Val Arg Glu Glu Ser		
305	310	315
320		
Phe Glu Arg Lys Gly Leu Ile Asp Tyr Asn Phe His Cys Phe Arg Lys		

	325	330	335
Ala Ile His Glu Val Phe Glu Val Arg Met Lys Val Val Lys Ser Arg			
	340	345	350
Lys Val Gln Asn Arg Leu Gln Lys Lys Lys Arg Ala Thr Pro Asn Gly			
	355	360	365
Thr Pro Arg Val Leu Leu			
	370	374	

<210> 1065
 <211> 278
 <212>Amino acid
 <213> Homo sapiens

	<400> 1065		
Arg Thr Arg Gly Arg Asp Pro Gly Ala Gly Phe Arg Arg Thr Ala Asn			
1	5	10	15
Lys Arg Cys Cys Arg Arg Arg Phe Leu Ile Gly Cys Gly Trp Leu Pro			
20	25	30	
Leu Arg Ser Asp Trp Pro Leu Val Ser Lys Met Leu Ser Lys Gly Leu			
35	40	45	
Lys Arg Lys Arg Glu Glu Glu Glu Lys Glu Pro Leu Ala Val Asp			
50	55	60	
Ser Trp Trp Leu Asp Pro Gly His Ala Ala Val Ala Gln Ala Pro Pro			
65	70	75	80
Ala Val Ala Ser Ser Leu Phe Asp Leu Ser Val Leu Lys Leu His			
85	90	95	
His Ser Leu Gln Gln Ser Glu Pro Asp Leu Arg His Leu Val Leu Val			
100	105	110	
Val Asn Thr Leu Arg Arg Ile Gln Ala Ser Met Ala Pro Ala Ala Ala			
115	120	125	
Leu Pro Pro Val Pro Ser Pro Pro Ala Ala Pro Ser Val Ala Asp Asn			
130	135	140	
Leu Leu Ala Ser Ser Asp Ala Ala Leu Ser Ala Ser Met Ala Ser Leu			
145	150	155	160
Leu Glu Asp Leu Ser His Ile Glu Gly Leu Ser Gln Ala Pro Gln Pro			
165	170	175	
Leu Ala Asp Glu Gly Pro Pro Gly Arg Ser Ile Gly Gly Ala Ala Pro			
180	185	190	
Ser Leu Gly Ala Leu Asp Leu Leu Gly Pro Ala Thr Gly Cys Leu Leu			
195	200	205	
Asp Asp Gly Leu Glu Gly Leu Phe Glu Asp Ile Asp Thr Ser Met Tyr			
210	215	220	
Asp Asn Glu Leu Trp Ala Pro Ala Ser Glu Gly Leu Lys Pro Gly Pro			
225	230	235	240
Glu Asp Gly Pro Gly Lys Glu Glu Ala Pro Glu Leu Asp Glu Ala Glu			
245	250	255	
Leu Asp Tyr Leu Met Asp Val Leu Val Gly Thr Gln Ala Leu Glu Arg			
260	265	270	
Pro Pro Gly Pro Gly Arg			
275	278		

<210> 1066
 <211> 502
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(502)

<223> X = any amino acid or stop code

<400> 1066

Leu	Gln	Glu	Val	Lys	Ala	Arg	Arg	Asn	Thr	Leu	His	Lys	Glu	Lys	Asp	
1				5					10				15			
His	Leu	Val	Asn	Asp	Tyr	Glu	Gln	Asn	Met	Lys	Leu	Leu	Gln	Thr	Lys	
					20				25				30			
Tyr	Asp	Ala	Asp	Ile	Asn	Leu	Leu	Lys	Gln	Glu	His	Ala	Leu	Ser	Ala	
					35				40				45			
Ser	Lys	Ala	Ser	Ser	Met	Ile	Glu	Glu	Leu	Glu	Gln	Asn	Val	Cys	Gln	
					50				55				60			
Leu	Lys	Gln	Gln	Leu	Gln	Glu	Ser	Glu	Leu	Gln	Arg	Lys	Gln	Gln	Leu	
					65				70				75		80	
Arg	Asp	Gln	Glu	Asn	Lys	Phe	Gln	Met	Glu	Lys	Ser	His	Leu	Lys	His	
					85				90				95			
Ile	Tyr	Glu	Lys	Ala	His	Asp	Leu	Gln	Ser	Glu	Leu	Asp	Lys	Gly		
					100				105				110			
Lys	Glu	Asp	Thr	Gln	Lys	Lys	Ile	His	Lys	Phe	Glu	Glu	Ala	Leu	Lys	
					115				120				125			
Trp	Lys	Trp	Arg	Gln	Ile	Xaa	Leu	Asp	Pro	Asn	Leu	Leu	Arg	Glu		
					130				135				140			
Lys	Gln	Ser	Lys	Glu	Phe	Leu	Trp	Gln	Leu	Glu	Asp	Ile	Arg	Gln	Arg	
					145				150				155		160	
Tyr	Glu	Gln	Gln	Ile	Val	Glu	Leu	Lys	Leu	Glu	His	Glu	Gln	Glu	Lys	
					165				170				175			
Thr	His	Leu	Leu	Gln	Gln	His	Asn	Ala	Glu	Lys	Asp	Ser	Leu	Val	Arg	
					180				185				190			
Asp	His	Glu	Arg	Glu	Ile	Glu	Asn	Leu	Glu	Lys	Gln	Leu	Arg	Ala	Ala	
					195				200				205			
Asn	Met	Glu	His	Glu	Asn	Gln	Ile	Gln	Glu	Phe	Lys	Lys	Arg	Asp	Ala	
					210				215				220			
Gln	Val	Ile	Ala	Asp	Met	Glu	Ala	Gln	Val	His	Lys	Leu	Arg	Glu	Glu	
					225				230				235		240	
Leu	Ile	Asn	Val	Asn	Ser	Gln	Arg	Lys	Gln	Gln	Leu	Val	Glu	Leu	Gly	
					245				250				255			
Leu	Leu	Arg	Glu	Glu	Lys	Gln	Arg	Ala	Thr	Arg	Glu	His	Glu	Ile		
					260				265				270			
Val	Val	Asn	Lys	Leu	Lys	Ala	Glu	Ser	Glu	Lys	Met	Lys	Ile	Glu	Leu	
					275				280				285			
Lys	Lys	Thr	His	Ala	Ala	Glu	Thr	Glu	Met	Thr	Leu	Glu	Lys	Ala	Asn	
					290				295				300			
Ser	Lys	Leu	Lys	Gln	Ile	Glu	Lys	Glu	Tyr	Thr	Gln	Lys	Leu	Ala	Lys	
					305				310				315		320	
Ser	Ser	Gln	Ile	Ile	Ala	Glu	Leu	Gln	Thr	Thr	Ile	Ser	Ser	Leu	Lys	
					325				330				335			
Glu	Glu	Asn	Ser	Gln	Gln	Gln	Leu	Ala	Ala	Glu	Arg	Arg	Leu	Gln	Asp	
					340				345				350			
Val	Arg	Gln	Lys	Phe	Glu	Asp	Glu	Lys	Gln	Leu	Ile	Arg	Asp	Asn		
					355				360				365			
Asp	Gln	Ala	Ile	Lys	Val	Leu	Gln	Asp	Glu	Leu	Glu	Asn	Arg	Ser	Asn	
					370				375				380			
Gln	Val	Arg	Cys	Ala	Glu	Lys	Lys	Leu	Gln	His	Lys	Glu	Leu	Glu	Ser	
					385				390				395		400	
Gln	Glu	Gln	Ile	Thr	Tyr	Ile	Arg	Gln	Glu	Tyr	Glu	Thr	Lys	Leu	Lys	
					405				410				415			
Gly	Leu	Leu	Met	Pro	Ala	Ser	Leu	Arg	Gln	Glu	Leu	Glu	Asp	Thr	Ile	Ser
					420				425				430			
Ser	Leu	Lys	Ser	Gln	Val	Asn	Phe	Leu	Gln	Lys	Arg	Ala	Ser	Ile	Leu	
					435				440				445			

Gln Glu Glu Arg Asp Tyr Ile Ser Arg Gln Lys Val Gln Pro Ile Ser
 450 455 460
 Arg Xaa Leu His Glu Arg Met Gln Arg Met Arg Ile Ser Arg Leu Cys
 465 470 475 480
 Cys Gly Thr Ser Ser Ser Arg Phe Glu Asp Leu Asp Ile Val Asn Cys
 485 490 495
 Glu Ile Ser Gly Ile Phe
 500 502

<210> 1067
 <211> 301
 <212>Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(301)
 <223> X = any amino acid or stop code

<400> 1067
 Val Ile Asn Leu Val Tyr Leu Ile Ser Ser Pro Arg Pro Glu Leu Lys
 1 5 10 15
 Pro Val Asp Lys Glu Ser Glu Val Val Met Lys Phe Pro Asp Gly Phe
 20 25 30
 Glu Lys Phe Ser Pro Pro Ile Leu Gln Leu Asp Glu Val Asp Phe Tyr
 35 40 45
 Tyr Asp Pro Lys His Val Ile Phe Ser Arg Leu Ser Val Ser Ala Asp
 50 55 60
 Leu Glu Ser Arg Ile Cys Val Val Gly Glu Asn Gly Ala Gly Lys Ser
 65 70 75 80
 Thr Met Leu Lys Leu Leu Gly Asp Leu Ala Pro Val Arg Gly Ile
 85 90 95
 Arg His Ala His Arg Asn Leu Lys Ile Gly Tyr Phe Ser Gln His His
 100 105 110
 Val Glu Gln Leu Asp Leu Asn Val Gln Cys Leu Trp Glu Leu Ala Gly
 115 120 125
 His Ala Ser Phe Pro Gly Arg Pro Glu Glu Glu Tyr Arg His Gln Leu
 130 135 140
 Gly Phe Gly Met Gly Ile Ser Gly Glu Leu Ala Met Arg Pro Leu Cys
 145 150 155 160
 Gln Pro Val Leu Gly Ala Arg Lys Lys Pro Lys Trp Pro Phe Ala Gln
 165 170 175
 Met Asp Tyr Cys Pro Ala Pro Thr Phe Tyr Ile Leu Asp Glu Pro Thr
 180 185 190
 Asn His Leu Gly His Gly Arg Ala Ile Glu Ala Leu Gly Pro Cys Leu
 195 200 205
 Gln Thr Ile Ser Gly Val Gly Val Ile Leu Val Ser His Glu Xaa Ser
 210 215 220
 Ala Leu Ser Arg Leu Val Cys Arg Glu Leu Trp Val Cys Xaa Gly Gly
 225 230 235 240
 Gly Val Thr Arg Val Glu Arg Lys Asp Phe Asp Gln Tyr Arg Ala Leu
 245 250 255
 Leu Gln Gly Thr Val Ser Ala Arg Glu Gly Phe Pro Leu Gly Pro Pro
 260 265 270
 Arg Leu Lys Asp Ser Pro Arg Asp Met Gly Leu Val Ser Gln Thr Pro
 275 280 285
 Trp Gly His His Val Gly Tyr Pro Leu Pro Gly Arg Gly
 290 295 300 301

<210> 1068
 <211> 215
 <212>Amino acid
 <213> Homo sapiens

<400> 1068
 Cys Ser Ala Val Glu Val Lys Met Ala Ala Arg Thr Ala Phe Gly Ala
 1 5 10 15
 Val Cys Arg Arg Leu Trp Gln Gly Leu Gly Asn Phe Ser Val Asn Thr
 20 25 30
 Ser Lys Gly Asn Thr Ala Lys Asn Gly Gly Leu Leu Leu Ser Thr Asn
 35 40 45
 Met Lys Trp Val Gln Phe Ser Asn Leu His Val Asp Val Pro Lys Asp
 50 55 60
 Leu Thr Lys Pro Val Val Thr Ile Ser Asp Glu Pro Asp Ile Leu Tyr
 65 70 75 80
 Lys Arg Leu Ser Val Leu Val Lys Gly His Asp Lys Ala Val Leu Asp
 85 90 95
 Ser Tyr Glu Tyr Phe Ala Val Leu Ala Ala Lys Glu Leu Gly Ile Ser
 100 105 110
 Ile Lys Val His Glu Pro Pro Arg Lys Ile Glu Arg Phe Thr Leu Leu
 115 120 125
 Gln Ser Val His Ile Tyr Lys Lys His Arg Val Gln Tyr Glu Met Arg
 130 135 140
 Thr Leu Tyr Arg Cys Leu Glu Leu Glu His Leu Thr Gly Ser Thr Ala
 145 150 155 160
 Asp Val Tyr Leu Glu Tyr Ile Gln Arg Asn Leu Pro Glu Gly Val Ala
 165 170 175
 Met Glu Val Thr Lys Phe Cys Phe Phe Ile Phe Leu Thr Gln Leu Glu
 180 185 190
 Gln Leu Pro Glu His Ile Lys Glu Pro Ile Trp Glu Thr Leu Ser Glu
 195 200 205
 Glu Lys Glu Glu Ser Lys Ser
 210 215

<210> 1069
 <211> 274
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(274)
 <223> X = any amino acid or stop code

<400> 1069
 Asp Phe Trp Asp Thr Ala Gly Gln Glu Arg Phe Gln Ser Met His Ala
 1 5 10 15
 Ser Tyr Tyr His Lys Thr His Ala Cys Ile Met Val Phe Asp Val Gln
 20 25 30
 Arg Lys Val Thr His Arg Asn Leu Ser Thr Trp Tyr Thr Glu Leu Arg
 35 40 45
 Glu Phe Arg Pro Glu Ile Pro Cys Ile Val Val Ala Asn Lys Ile Asp
 50 55 60

Gly Gly Ala Ile Pro Ala Pro Gly Cys Xaa Gln Phe Thr Gly Asp Leu
 65 70 75 80
 Pro Ser Tyr Ile Ser Ser Ser Ile Pro Arg Ala Gly Asn Leu Gln Xaa
 85 90 95
 Leu Val Leu Pro Pro Thr Ile Arg Tyr Asn Pro Trp Leu Val Ala Cys
 100 105 110
 Ile Leu Pro Thr Leu Xaa Arg Ser Gln Leu Ser Arg Pro Ala Leu Phe
 115 120 125
 Pro Arg His Arg Ser Leu Leu Thr Glu Leu Phe Leu Gly Pro Val Ser
 130 135 140
 Gln Ser Ser Leu Pro Ile Pro Leu Ser Gly Met Lys Ala Ser Ser Gly
 145 150 155 160
 Pro Pro Leu Gln Thr Phe Phe Pro Ser Leu Asp Arg Gln Thr Asn Val
 165 170 175
 Leu Pro Ser Leu Tyr Ala Asp Ile Asn Val Thr Gln Lys Ser Phe Asn
 180 185 190
 Phe Ala Lys Lys Phe Ser Leu Pro Leu Tyr Phe Val Ser Ala Ala Asp
 195 200 205
 Gly Thr Asn Val Val Lys Leu Phe Asn Asp Ala Ile Arg Leu Ala Val
 210 215 220
 Ser Tyr Lys Gln Asn Ser Gln Asp Phe Met Asp Glu Ile Phe Gln Glu
 225 230 235 240
 Leu Glu Asn Phe Ser Leu Glu Gln Glu Glu Asp Val Pro Asp Gln
 245 250 255
 Glu Gln Ser Ser Ser Ile Glu Thr Pro Ser Glu Glu Val Ala Ser Pro
 260 265 270
 His Ser
 274

<210> 1070
<211> 368
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(368)
<223> X = any amino acid or stop code

<400> 1070
Gly Ala Thr Pro Leu Gly Ser Val Gly Gly Arg Thr Gly Lys Met Asp
 1 5 10 15
 Ala Ala Thr Leu Thr Tyr Asp Thr Leu Arg Phe Ala Glu Phe Glu Asp
 20 25 30
 Phe Pro Glu Thr Ser Glu Pro Val Trp Ile Leu Gly Arg Lys Tyr Ser
 35 40 45
 Ile Phe Thr Glu Lys Asp Glu Ile Leu Ser Asp Val Ala Ser Arg Leu
 50 55 60
 Trp Phe Thr Tyr Arg Lys Asn Phe Pro Ala Ile Gly Gly Thr Gly Pro
 65 70 75 80
 Thr Ser Asp Thr Gly Trp Gly Cys Met Leu Arg Cys Gly Gln Met Ile
 85 90 95
 Phe Ala Gln Ala Leu Val Cys Arg His Leu Gly Arg Asp Trp Arg Trp
 100 105 110
 Thr Gln Arg Lys Arg Gln Pro Asp Ser Tyr Phe Ser Val Leu Asn Ala
 115 120 125
 Phe Ile Asp Arg Lys Asp Ser Tyr Tyr Ser Ile His Gln Ile Ala Gln
 130 135 140
 Met Gly Val Gly Glu Gly Lys Ser Ile Gly Gln Trp Tyr Gly Pro Asn

145	150	155	160
Thr Val Ala Gln Val Leu Lys Lys Leu Ala Val Phe Asp Thr Trp Ser			
165	170	175	
Ser Leu Ala Val His Ile Ala Met Asp Asn Thr Val Val Met Glu Glu			
180	185	190	
Ile Arg Arg Leu Cys Arg Thr Ser Val Pro Cys Ala Gly Ala Thr Ala			
195	200	205	
Phe Pro Ala Asp Ser Asp Arg His Cys Asn Gly Phe Pro Ala Gly Ala			
210	215	220	
Glu Val Thr Asn Arg Pro Ser Pro Trp Arg Pro Leu Val Leu Ile			
225	230	235	240
Pro Leu Arg Leu Gly Leu Thr Asp Ile Asn Glu Ala Tyr Val Glu Thr			
245	250	255	
Leu Lys His Cys Phe Met Met Pro Gln Ser Leu Gly Val Ile Gly Gly			
260	265	270	
Lys Pro Asn Ser Ala His Tyr Phe Ile Gly Xaa Val Gly Glu Glu Leu			
275	280	285	
Ile Tyr Leu Asp Pro His Thr Thr Gln Pro Ala Val Glu Pro Thr Asp			
290	295	300	
Gly Cys Phe Ile Pro Asp Glu Ser Phe His Cys Gln His Pro Pro Cys			
305	310	315	320
Arg Met Ser Ile Ala Glu Leu Asp Pro Ser Ile Ala Val Val Arg Gly			
325	330	335	
Gly His Leu Ser Thr Gln Ala Phe Gly Ala Glu Cys Cys Leu Gly Met			
340	345	350	
Thr Arg Lys Thr Phe Gly Phe Leu Arg Phe Phe Phe Ser Met Leu Gly			
355	360	365	368

<210> 1071
 <211> 81
 <212>Amino acid
 <213> Homo sapiens

<400> 1071
Ala Leu Cys Val Val Pro Phe Asn Thr Phe His Asn Asp Phe Leu Leu
1 5 10 15
Leu Asp Lys Glu Gly Thr Leu Asp Pro Val Met Asp Ser Phe Ser Thr
20 25 30
His Trp Thr Thr Ile Gly Pro Ala Asp Met Phe Phe Ser Phe Arg Gln
35 40 45
His Tyr Lys Asn Phe Lys Ser His Gly Thr Asn Pro Ser Lys Ser Val
50 55 60
Trp Ala His Ala Thr Cys Gln Ser Cys Ala Phe Pro Asn Leu Leu Gly
65 70 75 80
Trp
81

<210> 1072
 <211> 494
 <212>Amino acid
 <213> Homo sapiens

<400> 1072

Thr Arg Leu Ala Glu Phe Gly Thr Arg Asp Pro Cys Ala Gln Ala Pro
 1 5 10 15
 Cys Glu Gln Gln Cys Glu Pro Gly Gly Pro Gln Gly Tyr Ser Cys His
 20 25 30
 Cys Arg Leu Gly Phe Arg Pro Ala Glu Asp Asp Pro His Arg Cys Val
 35 40 45
 Asp Thr Asp Glu Cys Gln Ile Ala Gly Val Cys Gln Gln Met Cys Val
 50 55 60
 Asn Tyr Val Gly Gly Phe Glu Cys Tyr Cys Ser Glu Gly His Glu Leu
 65 70 75 80
 Glu Ala Asp Gly Ile Ser Cys Ser Pro Ala Gly Ala Met Gly Ala Gln
 85 90 95
 Ala Ser Gln Asp Leu Gly Asp Glu Leu Leu Asp Asp Gly Glu Asp Glu
 100 105 110
 Glu Asp Glu Asp Glu Ala Trp Lys Ala Phe Asn Gly Gly Trp Thr Glu
 115 120 125
 Met Pro Gly Ile Leu Trp Met Glu Pro Thr Gln Pro Pro Asp Phe Ala
 130 135 140
 Leu Ala Tyr Arg Pro Ser Phe Pro Glu Asp Arg Glu Pro Gln Ile Pro
 145 150 155 160
 Tyr Pro Glu Pro Thr Trp Pro Pro Pro Leu Ser Ala Pro Arg Val Pro
 165 170 175
 Tyr His Ser Ser Val Leu Ser Val Thr Arg Pro Val Val Val Ser Ala
 180 185 190
 Thr His Pro Thr Leu Pro Ser Ala His Gln Pro Pro Val Ile Pro Ala
 195 200 205
 Thr His Pro Ala Leu Ser Arg Asp His Gln Ile Pro Val Ile Ala Ala
 210 215 220
 Asn Tyr Pro Asp Leu Pro Ser Ala Tyr Gln Pro Gly Ile Leu Ser Val
 225 230 235 240
 Ser His Ser Ala Gln Pro Pro Ala His Gln Pro Pro Met Ile Ser Thr
 245 250 255
 Lys Tyr Pro Glu Leu Phe Pro Ala His Gln Ser Pro Met Phe Pro Asp
 260 265 270
 Thr Arg Val Ala Gly Thr Gln Thr Thr His Leu Pro Gly Ile Pro
 275 280 285
 Pro Asn His Ala Pro Leu Val Thr Thr Leu Gly Ala Gln Leu Pro Pro
 290 295 300
 Gln Ala Pro Asp Ala Leu Val Leu Arg Thr Gln Ala Thr Gln Leu Pro
 305 310 315 320
 Ile Ile Pro Thr Ala Gln Pro Ser Leu Thr Thr Ser Arg Ser Pro
 325 330 335
 Val Ser Pro Ala His Gln Ile Ser Val Pro Ala Ala Thr Gln Pro Ala
 340 345 350
 Ala Leu Pro Thr Leu Leu Pro Ser Gln Ser Pro Thr Asn Gln Thr Ser
 355 360 365
 Pro Ile Ser Pro Thr His Pro His Ser Lys Ala Pro Gln Ile Pro Arg
 370 375 380
 Glu Asp Gly Pro Ser Pro Lys Leu Ala Leu Trp Leu Pro Ser Pro Ala
 385 390 395 400
 Pro Thr Ala Ala Pro Thr Ala Leu Gly Glu Ala Gly Leu Ala Glu His
 405 410 415
 Ser Gln Arg Asp Asp Arg Trp Leu Leu Val Ala Leu Leu Val Pro Thr
 420 425 430
 Cys Val Phe Leu Val Val Leu Leu Ala Leu Gly Ile Val Tyr Cys Thr
 435 440 445
 Arg Cys Gly Pro His Ala Pro Asn Lys Arg Ile Thr Asp Cys Tyr Arg
 450 455 460
 Trp Val Ile His Ala Gly Ser Lys Ser Pro Thr Glu Pro Met Pro Pro
 465 470 475 480
 Arg Gly Ser Leu Thr Gly Val Gln Thr Cys Arg Thr Ser Val
 485 490 494

<210> 1073
 <211> 468
 <212>Amino acid
 <213> Homo sapiens

<400> 1073
 Leu Arg Val Arg Arg Pro His Leu Pro Ala Pro Pro Ala Leu Arg
 1 5 10 15
 Ala Arg Arg Ser Asp Arg Arg Ser Ser Arg Ala Pro Ala Ala Phe Pro
 20 25 30
 Pro Arg Pro Pro His Ala Ser Pro Ala Pro Gly Pro Ala Met Ala Gln
 35 40 45
 Ala Val Trp Ser Arg Leu Gly Arg Ile Leu Trp Leu Ala Cys Leu Leu
 50 55 60
 Pro Trp Ala Pro Ala Gly Val Ala Ala Gly Leu Tyr Glu Leu Asn Leu
 65 70 75 80
 Thr Thr Asp Ser Pro Ala Thr Thr Gly Ala Val Val Thr Ile Ser Ala
 85 90 95
 Ser Leu Val Ala Lys Asp Asn Gly Ser Leu Ala Leu Pro Ala Asp Ala
 100 105 110
 His Leu Tyr Arg Phe His Trp Ile His Thr Pro Leu Val Leu Thr Gly
 115 120 125
 Lys Met Glu Lys Gly Leu Ser Ser Thr Ile Arg Val Val Gly His Val
 130 135 140
 Pro Gly Glu Phe Pro Val Ser Val Trp Val Thr Ala Ala Asp Cys Trp
 145 150 155 160
 Met Cys Gln Pro Val Ala Arg Gly Phe Val Val Leu Pro Ile Thr Glu
 165 170 175
 Phe Leu Val Gly Asp Leu Val Val Thr Gln Asn Thr Ser Leu Pro Trp
 180 185 190
 Pro Ser Ser Tyr Leu Thr Lys Thr Val Leu Lys Val Ser Phe Leu Leu
 195 200 205
 His Asp Pro Ser Asn Phe Leu Lys Thr Ala Leu Phe Leu Tyr Ser Trp
 210 215 220
 Asp Phe Gly Asp Gly Thr Gln Met Val Thr Glu Asp Ser Val Val Tyr
 225 230 235 240
 Tyr Asn Tyr Ser Ile Ile Gly Thr Phe Thr Val Lys Leu Lys Val Val
 245 250 255
 Ala Glu Trp Glu Glu Val Glu Pro Asp Ala Thr Arg Ala Val Lys Gln
 260 265 270
 Lys Thr Gly Asp Phe Ser Ala Ser Leu Lys Leu Gln Glu Thr Leu Arg
 275 280 285
 Gly Ile Gln Val Leu Gly Pro Thr Leu Ile Gln Thr Phe Gln Lys Met
 290 295 300
 Thr Val Thr Leu Asn Phe Leu Gly Ser Pro Pro Leu Thr Val Cys Trp
 305 310 315 320
 Arg Leu Lys Pro Glu Cys Leu Pro Leu Glu Glu Gly Glu Cys His Pro
 325 330 335
 Val Ser Val Ala Ser Thr Ala Tyr Asn Leu Thr His Thr Phe Arg Asp
 340 345 350
 Pro Gly Asp Tyr Cys Phe Ser Ile Arg Ala Glu Asn Ile Ile Ser Lys
 355 360 365
 Thr His Gln Tyr His Lys Ile Gln Val Trp Pro Ser Arg Ile Gln Pro
 370 375 380
 Ala Val Phe Ala Phe Pro Cys Ala Thr Leu Ile Thr Val Met Leu Ala
 385 390 395 400
 Phe Ile Met Tyr Met Thr Leu Arg Asn Ala Thr Gln Gln Lys Asp Met
 405 410 415
 Val Glu Asn Pro Glu Pro Ser Gly Val Arg Cys Cys Gln Met

420	425	430
Cys Cys Gly Pro Phe Leu Leu Glu Thr Pro Ser Glu Tyr Leu Glu Ile		
435	440	445
Val Arg Glu Asn His Gly Leu Leu Pro Pro Leu Tyr Lys Ser Val Lys		
450	455	460
Thr Tyr Thr Val		
465	468	

<210> 1074
<211> 288
<212>Amino acid
<213> Homo sapiens

<400> 1074		
Val Val Glu Phe Ala Phe Gln Leu Ser Ser Val Ser Val Cys Leu Thr		
1	5	10
Val Ser Phe Gly Trp Gln Leu Gly Thr Val Ser Ser Cys Leu Ser Arg		
20	25	30
Asp Trp Phe Leu Lys Gly Asn Leu Leu Ile Ile Val Ser Val Leu		
35	40	45
Ile Ile Leu Pro Leu Ala Leu Met Lys His Leu Gly Tyr Leu Gly Tyr		
50	55	60
Thr Ser Gly Leu Ser Leu Thr Cys Met Leu Phe Phe Leu Val Ser Val		
65	70	75
80		
Ile Tyr Lys Lys Phe Gln Leu Gly Cys Ala Ile Gly His Asn Glu Thr		
85	90	95
Ala Met Glu Ser Glu Ala Leu Val Gly Leu Pro Ser Gln Gly Leu Asn		
100	105	110
Ser Ser Cys Glu Ala Gln Met Phe Thr Val Asp Ser Gln Met Ser Tyr		
115	120	125
Thr Val Pro Ile Met Ala Phe Ala Phe Val Cys His Pro Glu Val Leu		
130	135	140
Pro Ile Tyr Thr Glu Leu Cys Arg Pro Ser Lys Arg Arg Met Gln Ala		
145	150	155
160		
Val Ala Asn Val Ser Ile Gly Ala Met Phe Cys Met Tyr Gly Leu Thr		
165	170	175
180		
Ala Thr Phe Gly Tyr Leu Thr Phe Tyr Ser Ser Val Lys Ala Glu Met		
180	185	190
Leu His Met Tyr Ser Gln Lys Asp Pro Leu Ile Leu Cys Val Arg Leu		
195	200	205
210		
Ala Val Leu Leu Ala Val Thr Leu Thr Val Pro Val Val Leu Phe Pro		
210	215	220
Ile Arg Arg Ala Leu Gln Gln Leu Leu Phe Pro Gly Lys Ala Phe Ser		
225	230	235
240		
Trp Pro Arg His Val Ala Ile Ala Leu Ile Leu Leu Val Val Asn		
245	250	255
260	265	270
Gly Ser Thr Ser Ala Pro Ser Leu Ile Phe Ile Leu Pro Ser Cys Ile		
275	280	285
288		

<210> 1075
<211> 273
<212>Amino acid
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(273)
 <223> X = any amino acid or stop code

<400> 1075
 Gly Ala Gly Ser Lys Ser Ser Met Met Gln Leu Met His Leu Glu Ser
 1 5 10 15
 Phe Tyr Glu Lys Pro Pro Pro Gly Leu Ile Lys Glu Asp Asp Thr Lys
 20 25 30
 Pro Glu Asp Cys Ile Pro Asp Val Pro Gly Asn Glu His Ala Arg Glu
 35 40 45
 Phe Leu Ala His Thr Pro Thr Lys Gly Leu Trp Met Pro Leu Glu Lys
 50 55 60
 Glu Val Lys Val Lys His Cys Thr Phe His Trp Ile Ala Ser Xaa Phe
 65 70 75 80
 Leu Gly Asp Gly Lys Phe Ile Pro Lys Ala Thr Arg Leu Lys Asp Val
 85 90 95
 Trp Val Ser Asn Xaa Phe Thr Cys Leu Phe Trp Asp Leu Thr Arg Phe
 100 105 110
 Ile His Asp Cys Ile Phe Phe Xaa Asn Trp Ser Leu Met Asn Lys Asn
 115 120 125
 Phe Asn Ile Ile Tyr Xaa Phe Phe Ile Ser Leu Arg Xaa Asn Thr Leu
 130 135 140
 Ile Leu Gln Lys Tyr Phe Pro Phe Ser Leu Leu Leu Gly Trp His Cys
 145 150 155 160
 Lys Trp Tyr Gly His Arg Thr Gly Tyr Lys Glu Cys Pro Phe Phe Ile
 165 170 175
 Lys Asp Asn Gln Lys Leu Gln Gln Phe Arg Val Ala His Glu Asp Phe
 180 185 190
 Met Tyr Asp Ile Ile Arg Asp Asn Lys Gln His Glu Lys Asn Val Arg
 195 200 205
 Ile Gln Gln Leu Lys Gln Leu Leu Glu Asp Ser Thr Ser Gly Glu Asp
 210 215 220
 Arg Ser Ser Ser Ser Ser Glu Gly Lys Glu Lys His Lys Lys Lys
 225 230 235 240
 Lys Lys Lys Glu Lys His Lys Lys Arg Lys Lys Glu Lys Lys Lys
 245 250 255
 Lys Lys Arg Lys His Lys Ser Ser Lys Ser Asn Glu Gly Ser Asp Ser
 260 265 270
 Glu
 273

<210> 1076
 <211> 815
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(815)
 <223> X = any amino acid or stop code

<400> 1076
 Glu Ile Ala Gly Ala Ala Ala Glu Asn Met Leu Gly Ser Leu Leu Cys

1	5	10	15
Leu Pro Gly Ser Gly Ser Val	Leu Leu Asp Pro Cys Thr	Gly Ser Thr	
20	25	30	
Ile Ser Glu Thr Thr Ser Glu Ala Trp Ser Val	Glu Val Val Leu Pro Ser		
35	40	45	
Asp Ser Glu Ala Pro Asp Leu Lys Gln	Glu Glu Arg Leu Gln Glu Leu		
50	55	60	
Glu Ser Cys Ser Gly Leu Gly Ser Thr Ser Asp	Asp Asp Thr Asp Val Arg		
65	70	75	80
Glu Val Ser Ser Arg Pro Ser Thr Pro Gly	Leu Ser Val Val Ser Gly		
85	90	95	
Ile Ser Ala Thr Ser Glu Asp Ile Pro Asn Lys	Ile Glu Asp Leu Arg		
100	105	110	
Ser Glu Cys Ser Ser Asp Phe Gly Gly Lys Asp	Ser Val Thr Ser Pro		
115	120	125	
Asp Met Asp Glu Ile Thr His Asp Phe Leu Tyr	Ile Leu Gln Pro Lys		
130	135	140	
Gln His Phe Gln His Ile Glu Ala Glu Ala Asp	Met Arg Ile Gln Leu		
145	150	155	160
Ser Ser Ser Ala His Gln Leu Thr Ser Pro	Pro Ser Gln Ser Glu Ser		
165	170	175	
Leu Leu Ala Met Phe Asp Pro Leu Ser Ser His	Glu Gly Ala Ser Ala		
180	185	190	
Val Val Arg Pro Lys Val His Tyr Ala Arg Pro	Ser His Pro Pro Pro		
195	200	205	
Asp Pro Pro Ile Leu Glu Gly Ala Val Gly Gly	Asn Glu Ala Arg Leu		
210	215	220	
Pro Asn Phe Gly Ser Pro Met Phe Xaa Leu Pro	Ala Glu Met Glu Ala		
225	230	235	240
Phe Lys Gln Arg His Ser Tyr Thr Pro Glu Arg	Leu Val Arg Ser Arg		
245	250	255	
Ser Ser Asp Ile Val Ser Ser Val Arg Arg Pro	Met Ser Asp Pro Ser		
260	265	270	
Trp Asn Arg Arg Pro Gly Asn Glu Glu Arg Glu	Leu Pro Pro Ala Ala		
275	280	285	
Ala Ile Gly Ala Thr Ser Leu Val Ala Ala Pro	His Ser Ser Ser Ser		
290	295	300	
Ser Pro Ser Lys Asp Ser Ser Arg Gly Glu Thr	Glu Glu Arg Lys Asp		
305	310	315	320
Ser Asp Asp Glu Lys Ser Asp Arg Asn Arg Pro	Trp Trp Arg Lys Arg		
325	330	335	
Phe Val Ser Ala Met Pro Lys Ala Pro Ile Pro	Phe Arg Lys Lys Glu		
340	345	350	
Lys Gln Glu Lys Asp Lys Asp Asp Leu Gly Pro	Asp Arg Phe Ser Thr		
355	360	365	
Leu Thr Asp Asp Pro Ser Pro Arg Leu Ser Ala	Gln Ala Gln Val Ala		
370	375	380	
Glu Asp Ile Leu Asp Lys Tyr Arg Asn Ala Ile	Lys Arg Thr Ser Pro		
385	390	395	400
Ser Asp Gly Ala Met Ala Asn Tyr Glu Ser Thr	Glu Val Met Gly Asp		
405	410	415	
Gly Glu Ser Ala His Asp Ser Pro Arg Asp Glu	Ala Leu Gln Asn Ile		
420	425	430	
Ser Ala Asp Asp Leu Pro Asp Ser Ala Ser Gln	Ala Ala His Pro Gln		
435	440	445	
Asp Ser Ala Phe Ser Tyr Arg Asp Ala Lys Lys	Leu Arg Leu Ala		
450	455	460	
Leu Cys Ser Ala Asp Ser Val Ala Phe Pro Val	Leu Thr His Ser Thr		
465	470	475	480
Arg Asn Gly Leu Pro Asp His Thr Asp Pro Glu	Asp Asn Glu Ile Val		
485	490	495	
Cys Phe Leu Lys Val Gln Ile Ala Glu Ala Ile	Asn Leu Gln Asp Lys		
500	505	510	
Asn Leu Met Ala Gln Leu Gln Glu Thr Met Arg	Cys Val Cys Arg Phe		

515	520	525
Asp Asn Arg Thr Cys Arg Lys Leu Leu Ala Ser Ile Ala Glu Asp Tyr		
530	535	540
Arg Lys Arg Ala Pro Tyr Ile Ala Tyr Leu Thr Arg Cys Arg Gln Gly		
545	550	555
Leu Gln Thr Thr Gln Ala His Leu Glu Arg Leu Leu Gln Arg Val Leu		
565	570	575
Arg Asp Lys Glu Val Ala Asn Arg Tyr Phe Thr Thr Val Cys Val Arg		
580	585	590
Leu Leu Leu Glu Ser Lys Glu Lys Ile Arg Glu Phe Ile Gln Asp		
595	600	605
Phe Gln Lys Leu Thr Ala Ala Asp Asp Lys Thr Ala Gln Val Glu Asp		
610	615	620
Phe Leu Gln Phe Leu Tyr Gly Ala Met Ala Gln Asp Val Ile Trp Gln		
625	630	635
Asn Ala Ser Glu Glu Gln Leu Gln Asp Ala Gln Leu Ala Ile Glu Arg		
645	650	655
Ser Val Met Asn Arg Ile Phe Lys Leu Ala Phe Tyr Pro Asn Gln Asp		
660	665	670
Gly Asp Ile Leu Arg Asp Gln Val Leu His Glu His Ile Gln Arg Leu		
675	680	685
Ser Lys Val Val Thr Ala Asn His Arg Ala Leu Gln Ile Pro Glu Val		
690	695	700
Tyr Leu Arg Glu Ala Pro Trp Pro Ser Ala Gln Ser Glu Ile Arg Thr		
705	710	715
Ile Ser Ala Tyr Lys Thr Pro Arg Asp Lys Val Gln Cys Ile Leu Arg		
725	730	735
Met Cys Ser Thr Ile Met Asn Leu Leu Ser Leu Ala Asn Glu Asp Ser		
740	745	750
Val Pro Gly Ala Asp Asp Phe Val Pro Val Leu Val Phe Val Leu Ile		
755	760	765
Lys Ala Asn Pro Pro Cys Leu Leu Ser Thr Val Gln Tyr Ile Ser Ser		
770	775	780
Phe Tyr Ala Ser Cys Leu Ser Gly Glu Glu Ser Tyr Trp Trp Met Gln		
785	790	795
Phe Thr Ala Ala Val Glu Phe Ile Lys Thr Ile Asp Asp Arg Lys		
805	810	815

<210> 1077
 <211> 256
 <212>Amino acid
 <213> Homo sapiens

<400> 1077																
Trp	Pro	Met	Ser	Leu	Ala	Arg	Gly	His	Gly	Asp	Thr	Ala	Ala	Ser	Thr	
1				5					10				15			
Ala	Ala	Pro	Leu	Ser	Glu	Glu	Gly	Glu	Val	Thr	Ser	Gly	Leu	Gln	Ala	
					20				25				30			
Leu	Ala	Ala	Val	Glu	Asp	Thr	Gly	Gly	Pro	Ser	Ala	Ser	Ala	Gly	Lys	Ala
					35				40				45			
Glu	Asp	Glu	Gly	Glu	Gly	Gly	Arg	Glu	Glu	Thr	Glu	Arg	Glu	Gly	Ser	
					50				55				60			
Gly	Gly	Glu	Glu	Ala	Gln	Gly	Glu	Val	Pro	Ser	Ala	Gly	Gly	Glu	Glu	
					65				70				75			80
Pro	Ala	Glu	Glu	Asp	Ser	Glu	Asp	Trp	Cys	Val	Pro	Cys	Ser	Asp	Glu	
					85				90				95			
Glu	Val	Glu	Leu	Pro	Ala	Asp	Gly	Gln	Pro	Trp	Met	Pro	Pro	Pro	Ser	
					100				105				110			
Glu	Ile	Gln	Arg	Leu	Tyr	Glu	Leu	Leu	Ala	Ala	His	Gly	Thr	Leu	Glu	

115	120	125
Leu Gln Ala Glu Ile Leu Pro Arg Arg Pro Pro Thr Pro	Glu Ala Gln	
130	135	140
Ser Glu Glu Glu Arg Ser Asp Glu Glu Pro Glu Ala Lys	Glu Glu Glu	
145	150	155
Glu Glu Lys Pro His Met Pro Thr Glu Phe Asp Phe Asp	Asp Glu Pro	
165	170	175
Val Thr Pro Lys Asp Ser Leu Ile Asp Arg Arg Arg Thr	Pro Gly Ser	
180	185	190
Ser Ala Arg Ser Gln Lys Arg Glu Ala Arg Leu Asp Lys	Val Leu Ser	
195	200	205
Asp Met Lys Arg His Lys Lys Leu Glu Glu Gln Ile Leu	Arg Thr Gly	
210	215	220
Arg Asp Leu Phe Ser Leu Asp Ser Glu Asp Pro Ser Pro	Ala Ser Pro	
225	230	235
Pro Leu Arg Ser Ser Gly Ser Ser Leu Phe Pro Arg Gln	Arg Lys Tyr	
245	250	255 256

<210> 1078
<211> 590
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(590)
<223> X = any amino acid or stop code

<400> 1078		
Leu Gly Arg Gly Thr Phe Gly Gln Val Val Xaa Cys Trp Lys Arg Gly		
1	5	10
Thr Asn Glu Ile Val Ala Ile Lys Ile Leu Lys Asn His Pro Ser Tyr		
20	25	30
Ala Arg Gln Gln Ile Glu Val Ser Ile Leu Ala Arg Leu Ser Thr		
35	40	45
Glu Ser Ala Asp Asp Tyr Asn Phe Val Arg Ala Tyr Glu Cys Phe Gln		
50	55	60
His Lys Asn His Thr Cys Leu Val Phe Glu Met Leu Glu Gln Asn Leu		
65	70	75
Tyr Asp Phe Leu Lys Gln Asn Lys Phe Ser Pro Leu Pro Leu Lys Tyr		
85	90	95
Ile Arg Pro Val Leu Gln Gln Val Ala Thr Ala Leu Met Lys Leu Lys		
100	105	110
Ser Leu Gly Leu Ile His Ala Asp Leu Lys Pro Glu Asn Ile Met Leu		
115	120	125
Val Asp Pro Ser Arg Gln Pro Tyr Arg Val Lys Val Ile Asp Phe Gly		
130	135	140
Ser Ala Ser His Val Ser Lys Ala Val Cys Ser Thr Tyr Leu Gln Ser		
145	150	155
Arg Tyr Tyr Arg Ala Pro Glu Ile Ile Leu Gly Leu Pro Phe Cys Glu		
165	170	175
Ala Ile Asp Met Trp Ser Leu Gly Cys Val Ile Ala Glu Leu Phe Leu		
180	185	190
Gly Trp Pro Leu Tyr Pro Gly Ala Ser Glu Tyr Asp Gln Ile Arg Tyr		
195	200	205
Ile Ser Gln Thr Gln Gly Leu Pro Ala Glu Tyr Leu Leu Ser Ala Gly		
210	215	220

Thr Lys Thr Thr Arg Phe Phe Asn Arg Asp Thr Asp Ser Pro Tyr Pro
 225 230 235 240
 Leu Trp Arg Leu Lys Thr Pro Asp Asp His Glu Ala Glu Thr Gly Ile
 245 245 250 255
 Lys Ser Lys Glu Ala Arg Lys Tyr Ile Phe Asn Cys Leu Asp Asp Met
 260 265 270 275
 Ala Gln Val Asn Met Thr Thr Asp Leu Glu Gly Ser Asp Met Leu Val
 275 280 285 290
 Glu Lys Ala Val Arg Arg Glu Phe Ile Asp Leu Leu Lys Lys Met Leu
 290 295 300 305
 Ser Ile Asp Ser Val Lys Arg Phe Ser Pro Val Gly Ser Leu Asn His
 305 310 315 320
 Pro Phe Val Thr Met Ser Leu Phe Leu Asp Phe Pro His Ser Thr His
 325 330 335 340
 Val Lys Ser Cys Phe Gln Asn Met Glu Ile Cys Lys Arg Arg Val Asn
 340 345 350 355
 Met Tyr Asp Thr Val Asn Gln Ser Lys Thr Pro Phe Ile Thr His Val
 355 360 365 370
 Ala Pro Ser Thr Ser Thr Asn Leu Thr Met Thr Phe Asn Asn Gln Leu
 370 375 380 385
 Thr Thr Val His Asn Gln Pro Ser Ala Ala Ser Met Ala Ala Val Ala
 385 390 395 400
 Gln Arg Ser Met Pro Leu Gln Thr Gly Thr Ala Gln Ile Cys Ala Arg
 405 410 415 420
 Pro Asp Pro Phe Gln Gln Ala Leu Ile Val Cys Pro Pro Gly Phe Gln
 420 425 430 435
 Gly Leu Gln Ala Ser Pro Ser Lys His Ala Gly Tyr Ser Val Arg Met
 435 440 445 450
 Glu Asn Ala Val Pro Ile Val Thr Gln Ala Pro Gly Ala Gln Pro Leu
 450 455 460 465
 Gln Ile Gln Pro Gly Leu Leu Ala Gln Gln Ala Trp Pro Ser Gly Thr
 465 470 475 480
 Gln Gln Ile Leu Leu Pro Pro Ala Trp Gln Gln Leu Thr Gly Val Ala
 485 490 495 500
 Thr His Thr Ser Val Gln His Ala Ala Val Ile Pro Glu Thr Met Ala
 500 505 510 515
 Gly Thr Gln Gln Leu Ala Asp Trp Arg Asn Thr His Ala His Gly Ser
 515 520 525 530
 His Tyr Asn Pro Ile Met Gln Gln Pro Ala Leu Leu Thr Gly His Val
 530 535 540 545
 Thr Leu Pro Ala Ala Gln Pro Leu Asn Val Gly Val Ala His Val Met
 545 550 555 560
 Arg Gln Gln Pro Thr Ser Thr Thr Ser Ser Arg Lys Ser Lys Gln His
 565 570 575 580
 Leu Tyr Cys Gly Arg Ala Arg Val Ser Lys Ile Ala Ser Arg
 580 585 590 595

<210> 1079
 <211> 904
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(904)
 <223> X = any amino acid or stop code

<400> 1079
 Glu Phe Ala Ile Cys Arg Tyr Pro Leu Gly Met Ser Gly Gly Gln Ile

1	5	10	15												
Pro	Asp	Glu	Asp	Ile	Thr	Ala	Ser	Ser	Gln	Trp	Ser	Glu	Ser	Thr	Ala
				20					25						30
Ala	Lys	Tyr	Gly	Arg	Leu	Asp	Ser	Glu	Glu	Gly	Asp	Gly	Ala	Trp	Cys
				35				40						45	
Pro	Glu	Ile	Pro	Val	Glu	Pro	Asp	Asp	Leu	Lys	Glu	Phe	Leu	Gln	Ile
				50				55						60	
Asp	Leu	His	Thr	Leu	His	Phe	Ile	Thr	Leu	Val	Gly	Thr	Gln	Gly	Arg
				65				70						75	80
His	Ala	Gly	Gly	His	Gly	Ile	Glu	Phe	Ala	Pro	Met	Tyr	Lys	Ile	Asn
				85				90						95	
Tyr	Ser	Arg	Asp	Gly	Thr	Arg	Trp	Ile	Ser	Trp	Arg	Asn	Arg	His	Gly
				100				105						110	
Lys	Gln	Val	Leu	Asp	Gly	Asn	Ser	Asn	Pro	Tyr	Asp	Ile	Phe	Leu	Lys
				115				120						125	
Asp	Leu	Glu	Pro	Pro	Ile	Val	Ala	Arg	Phe	Val	Arg	Phe	Ile	Pro	Val
				130				135						140	
Thr	Asp	His	Ser	Met	Asn	Val	Cys	Met	Arg	Val	Glu	Leu	Tyr	Gly	Cys
				145				150						155	160
Val	Trp	Leu	Asp	Gly	Leu	Val	Ser	Tyr	Asn	Ala	Pro	Ala	Gly	Gln	Gln
				165				170						175	
Phe	Val	Leu	Pro	Gly	Gly	Ser	Ile	Ile	Tyr	Leu	Asn	Asp	Ser	Val	Tyr
				180				185						190	
Asp	Gly	Ala	Val	Gly	Tyr	Ser	Met	Thr	Glu	Gly	Leu	Gly	Gln	Leu	Thr
				195				200						205	
Asp	Gly	Val	Ser	Gly	Leu	Asp	Asp	Phe	Thr	Gln	Thr	His	Glu	Tyr	His
				210				215						220	
Val	Trp	Pro	Gly	Tyr	Asp	Tyr	Val	Gly	Trp	Arg	Asn	Glu	Ser	Ala	Thr
				225				230						235	240
Asn	Gly	Tyr	Ile	Glu	Ile	Met	Phe	Glu	Phe	Asp	Arg	Ile	Arg	Asn	Phe
				245				250						255	
Thr	Thr	Met	Lys	Val	His	Cys	Asn	Asn	Met	Phe	Ala	Lys	Gly	Val	Lys
				260				265						270	
Ile	Phe	Lys	Glu	Val	Gln	Cys	Tyr	Phe	Arg	Ser	Glu	Ala	Ser	Glu	Trp
				275				280						285	
Glu	Pro	Asn	Ala	Ile	Ser	Phe	Pro	Leu	Val	Leu	Asp	Asp	Val	Asn	Pro
				290				295						300	
Ser	Ala	Arg	Phe	Val	Thr	Val	Pro	Leu	His	His	Arg	Met	Ala	Ser	Ala
				305				310						315	320
Ile	Lys	Cys	Gln	Tyr	His	Phe	Ala	Asp	Thr	Trp	Met	Met	Phe	Ser	Glu
				325				330						335	
Ile	Thr	Phe	Gln	Ser	Asp	Ala	Ala	Met	Tyr	Asn	Asn	Ser	Glu	Ala	Leu
				340				345						350	
Pro	Thr	Ser	Pro	Met	Ala	Pro	Thr	Thr	Tyr	Asp	Pro	Met	Leu	Lys	Val
				355				360						365	
Asp	Asp	Ser	Asn	Thr	Arg	Ile	Leu	Ile	Gly	Cys	Leu	Val	Ala	Ile	Ile
				370				375						380	
Phe	Ile	Leu	Leu	Ala	Ile	Ile	Val	Ile	Ile	Leu	Trp	Arg	Gln	Phe	Trp
				385				390						395	400
Gln	Lys	Met	Leu	Glu	Lys	Ala	Ser	Arg	Arg	Met	Leu	Asp	Asp	Glu	Met
				405				410						415	
Thr	Val	Ser	Leu	Ser	Leu	Pro	Ser	Asp	Ser	Ser	Met	Phe	Asn	Asn	Asn
				420				425						430	
Arg	Ser	Ser	Ser	Pro	Ser	Glu	Gln	Gly	Ser	Asn	Ser	Thr	Tyr	Asp	Arg
				435				440						445	
Ile	Phe	Pro	Leu	Arg	Pro	Asp	Tyr	Gln	Glu	Pro	Ser	Arg	Leu	Ile	Arg
				450				455						460	
Lys	Leu	Pro	Glu	Phe	Ala	Pro	Gly	Glu	Glu	Ser	Gly	Cys	Ser	Gly	
				465				470						475	480
Val	Val	Lys	Pro	Val	Gln	Pro	Ser	Gly	Pro	Glu	Gly	Val	Pro	His	Tyr
				485				490						495	
Ala	Glu	Ala	Asp	Ile	Val	Asn	Leu	Gln	Gly	Val	Thr	Gly	Gly	Asn	Thr
				500				505						510	
Tyr	Ser	Val	Pro	Ala	Val	Thr	Mét	Asp	Leu	Leu	Ser	Gly	Lys	Arg	Cys

515	520	525
Gly Cys Gly Arg Glu Phe Pro Pro Gly Lys Leu Leu Thr Phe Lys Glu		
530	535	540
Lys Leu Gly Glu Gly Gln Phe Gly Glu Val His Leu Cys Glu Val Glu		
545	550	555
Gly Met Glu Lys Phe Lys Asp Lys Asp Phe Ala Leu Asp Val Ser Ala		
565	570	575
Asn Gln Pro Val Leu Val Ala Val Lys Met Leu Arg Ala Asp Ala Asn		
580	585	590
Lys Asn Ala Arg Asn Asp Phe Leu Lys Glu Ile Lys Ile Met Ser Arg		
595	600	605
Leu Lys Asp Pro Asn Ile Ile His Leu Leu Ser Val Cys Ile Thr Asp		
610	615	620
Asp Pro Leu Cys Met Ile Thr Glu Tyr Met Glu Asn Gly Asp Leu Asn		
625	630	635
Gln Phe Leu Ser Arg His Glu Pro Pro Asn Ser Ser Ser Asp Val		
645	650	655
Arg Thr Val Ser Tyr Thr Asn Leu Lys Phe Met Ala Thr Gln Ile Ala		
660	665	670
Ser Gly Met Lys Tyr Leu Ser Ser Leu Asn Phe Val His Arg Asp Leu		
675	680	685
Ala Thr Arg Asn Cys Leu Val Gly Lys Asn Tyr Thr Ile Lys Ile Ala		
690	695	700
Asp Phe Gly Met Ser Arg Asn Leu Tyr Ser Gly Asp Tyr Tyr Arg Ile		
705	710	715
Gln Gly Arg Ala Val Leu Pro Ile Arg Trp Met Ser Trp Glu Ser Ile		
725	730	735
Leu Leu Gly Lys Phe Thr Thr Ala Ser Asp Val Trp Ala Phe Gly Val		
740	745	750
Thr Leu Trp Glu Thr Phe Thr Phe Cys Gln Arg Lys Gly Pro Tyr Ser		
755	760	765
Gln Leu Ser Asp Glu Thr Gly Tyr Xaa Arg Asn Thr Gly Glu Phe Phe		
770	775	780
Pro Arg Pro Lys Gly Gln Thr Tyr Leu Pro Ser Thr Ser Pro Phe		
785	790	795
Val Pro Asp Ser Cys Val Ile Lys Leu Met Leu Ser Cys Trp Arg Arg		
805	810	815
Asp Thr Lys Asn Arg Pro Ser Phe Gln Glu Ile His Leu Leu Leu		
820	825	830
Gln Gln Gly Asp Glu Arg Cys Cys Gln Cys Leu Ala Met Phe Leu Arg		
835	840	845
Leu Arg Ser Ser Leu Gln Asp Leu Pro Leu Thr His Ala Tyr Ala Thr		
850	855	860
Pro Ser Gly His Leu Met Lys Leu Arg Asp Arg Gly Leu Phe Ala Leu		
865	870	875
Pro Ser Phe Pro Gly His Pro His Ser Leu Pro Leu Thr His Ile Tyr		
885	890	895
Phe Phe Phe Phe Thr Leu Lys Asn		
900	904	

<210> 1080

<211> 304

<212>Amino acid

<213> Homo sapiens

<400> 1080

Cys Ser Ala Ser Pro Leu Arg Pro Gly Leu Leu Ala Pro Asp Leu Leu		
1	5	10
Tyr Leu Pro Gly Ala Gly Gln Pro Arg Arg Pro Glu Ala Glu Pro Gly		15

	20	25	30												
Gln	Lys	Pro	Val	Val	Pro	Thr	Leu	Tyr	Val	Thr	Glu	Ala	Glu	Ala	His
	35				40						45				
Ser	Pro	Ala	Leu	Pro	Gly	Leu	Ser	Gly	Pro	Gln	Pro	Lys	Trp	Val	Glu
	50				55						60				
Val	Glu	Glu	Thr	Ile	Glu	Val	Arg	Val	Lys	Lys	Met	Gly	Pro	Gln	Gly
	65				70				75			80			
Val	Ser	Pro	Thr	Thr	Glu	Val	Pro	Arg	Ser	Ser	Ser	Gly	His	Leu	Phe
	85						90					95			
Thr	Leu	Pro	Gly	Ala	Thr	Pro	Gly	Gly	Asp	Pro	Asn	Ser	Asn	Asn	Ser
	100					105					110				
Asn	Asn	Lys	Leu	Leu	Ala	Gln	Glu	Ala	Trp	Ala	Gln	Gly	Thr	Ala	Met
	115					120					125				
Val	Gly	Val	Arg	Glu	Pro	Leu	Val	Phe	Arg	Val	Asp	Ala	Arg	Gly	Ser
	130				135				140						
Val	Asp	Trp	Ala	Ala	Ser	Gly	Met	Gly	Ser	Leu	Glu	Glu	Gly	Thr	
	145				150				155			160			
Met	Glu	Glu	Ala	Gly	Glu	Glu	Glu	Gly	Glu	Asp	Gly	Asp	Ala	Phe	Val
	165					170				175					
Thr	Glu	Glu	Ser	Gln	Asp	Thr	His	Ser	Leu	Gly	Asp	Arg	Asp	Pro	Lys
	180					185				190					
Ile	Leu	Thr	His	Asn	Gly	Arg	Met	Leu	Thr	Leu	Ala	Asp	Leu	Glu	Asp
	195					200				205					
Tyr	Val	Pro	Gly	Glu	Gly	Glu	Thr	Phe	His	Cys	Gly	Gly	Pro	Gly	Pro
	210				215				220						
Gly	Ala	Pro	Asp	Asp	Pro	Pro	Cys	Glu	Val	Ser	Val	Ile	Gln	Arg	Glu
	225				230				235			240			
Ile	Gly	Glu	Pro	Thr	Val	Gly	Ser	Leu	Cys	Cys	Ser	Ala	Trp	Gly	Met
	245					250				255					
His	Trp	Val	Pro	Glu	Ala	Leu	Ser	Ala	Ser	Leu	Gly	Leu	Ser	Pro	Met
	260					265				270					
Gly	Arg	His	His	Arg	Asp	Pro	Arg	Ser	Val	Ala	Leu	Arg	Ala	Pro	Pro
	275					280				285					
Ser	Ser	Cys	Gly	Arg	Pro	Arg	Leu	Gly	Leu	Trp	Ala	Val	Leu	Pro	Gly
	290				295				300			304			

<210> 1081
<211> 139
<212>Amino acid
<213> Homo sapiens

	<400> 1081														
Gln	Gly	Leu	Ala	Ala	Glu	Phe	Leu	Gln	Val	Pro	Ala	Val	Thr	Arg	Ala
					1	5		10		15					
Tyr	Thr	Ala	Ala	Cys	Val	Leu	Thr	Thr	Ala	Ala	Val	Gln	Leu	Glu	Leu
					20		25				30				
Leu	Ser	Pro	Phe	Gln	Leu	Tyr	Phe	Asn	Pro	His	Leu	Val	Phe	Arg	Lys
					35		40			45					
Phe	Gln	Ala	Pro	Phe	Leu	Pro	Trp	Ala	Leu	Met	Gly	Phe	Ser	Leu	Leu
					50		55			60					
Leu	Gly	Asn	Ser	Ile	Leu	Val	Asp	Leu	Leu	Gly	Ile	Ala	Val	Gly	His
					65	70			75			80			
Ile	Tyr	Tyr	Phe	Leu	Glu	Asp	Val	Phe	Pro	Asn	Gln	Pro	Gly	Gly	Lys
					85		90			95					
Arg	Leu	Leu	Gln	Thr	Pro	Gly	Phe	Leu	Gly	Leu	Gln	Ser	Ser	Lys	Ala
					100		105			110					
Pro	Ala	Gly	Ser	Ser	Leu	Thr	Ile	Trp	Thr	Gln	Gln	Ser	Gln	Gly	Gly

115	120	125
Pro Gly Thr Ala Gly Glu Leu Ala Ala Pro Ser		
130	135	139

<210> 1082
<211> 1105
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1105)
<223> X = any amino acid or stop code

<400> 1082
Glu Lys Asn Ala Leu Glu Pro Thr Val Tyr Phe Gly Met Gly Val Xaa
1 5 10 15
Ala Pro Gln Val Pro Arg Phe Gln Gln Arg Ile Thr Gly Tyr Gln Tyr
20 25 30
Tyr Leu Gln Leu Arg Lys Asp Ile Trp Glu Glu Gly Ile Pro Cys Thr
35 40 45
Leu Glu Gln Pro Ile His Leu Ala Gly Leu Ala Val Gln Ala Ile Phe
50 55 60
Gly Asp Phe Asp Gln Tyr Glu Ser Gln Asp Phe Leu Gln Lys Phe Ala
65 70 75 80
Leu Phe Pro Val Gly Trp Leu Gln Asp Glu Lys Val Leu Glu Glu Ala
85 90 95
Thr Gln Lys Val Ala Leu Leu His Gln Lys Tyr Arg Gly Leu Thr Ala
100 105 110
Pro Asp Ala Glu Met Leu Tyr Met Gln Glu Val Glu Arg Met Asp Gly
115 120 125
Tyr Gly Glu Glu Ser Tyr Pro Ala Lys Asp Ser Gln Gly Ser Asp Ile
130 135 140
Ser Ile Gly Ala Cys Leu Glu Gly Ile Phe Val Lys His Lys Asn Gly
145 150 155 160
Arg His Pro Val Val Phe Arg Trp His Asp Ile Ala Asn Met Ser His
165 170 175
Asn Lys Ser Phe Phe Ala Leu Glu Leu Ala Asn Lys Glu Glu Thr Ile
180 185 190
Gln Phe Gln Thr Glu Asp Met Glu Thr Ala Lys Tyr Ile Trp Arg Leu
195 200 205
Cys Val Ala Arg His Lys Phe Tyr Arg Leu Asn Gln Cys Asn Leu Gln
210 215 220
Thr Gln Thr Val Thr Val Asn Pro Ile Arg Arg Arg Ser Ser Ser Arg
225 230 235 240
Met Ser Leu Pro Lys Pro Gln Pro Tyr Val Met Pro Pro Pro Gln
245 250 255
Leu His Tyr Asn Gly His Tyr Thr Glu Pro Tyr Ala Ser Ser Gln Asp
260 265 270
Asn Leu Phe Val Pro Asn Gln Glu Gly Tyr Tyr Gly Gln Phe Gln Thr
275 280 285
Ser Leu Asn Arg Ala Gln Ile Asp Phe Asn Gly Arg Ile Arg Asn Ala
290 295 300
Ser Val Tyr Ser Ala His Ser Thr Asn Ser Leu Asn Asn Pro Gln Pro
305 310 315 320
Tyr Leu Gln Pro Ser Pro Met Ser Ser Asn Pro Ser Ile Thr Gly Ser
325 330 335
Asp Val Met Arg Pro Asp Tyr Leu Pro Ser His Arg His Ser Ala Val
340 345 350

Ile Pro Pro Ser Tyr Arg Pro Thr Pro Asp Tyr Glu Thr Val Met Lys
 355 360 365
 Gln Leu Asn Arg Gly Leu Val His Ala Glu Arg Gln Ser His Ser Leu
 370 375 380
 Arg Asn Leu Asn Ile Gly Ser Ser Tyr Ala Tyr Ser Arg Pro Ala Ala
 385 390 395 400
 Leu Val Tyr Ser Gln Pro Glu Ile Arg Glu His Ala Gln Leu Pro Ser
 405 410 415
 Pro Ala Ala Ala His Cys Pro Phe Ser Leu Ser Tyr Ser Phe His Ser
 420 425 430
 Pro Ser Pro Tyr Pro Tyr Pro Ala Glu Arg Arg Pro Val Val Gly Ala
 435 440 445
 Val Ser Val Pro Glu Leu Thr Asn Ala Gln Leu Gln Ala Gln Asp Tyr
 450 455 460
 Pro Ser Pro Asn Ile Met Arg Thr Gln Val Tyr Arg Pro Pro Pro Pro
 465 470 475 480
 Tyr Pro Pro Pro Arg Pro Ala Asn Ser Thr Pro Asp Leu Ser Arg His
 485 490 495
 Leu Tyr Ile Ser Ser Asn Pro Asp Leu Ile Thr Arg Arg Val His
 500 505 510
 His Ser Val Gln Thr Phe Gln Glu Asp Ser Leu Pro Val Ala His Ser
 515 520 525
 Leu Gln Glu Val Ser Glu Pro Leu Thr Ala Ala Arg His Ala Gln Leu
 530 535 540
 His Lys Arg Asn Ser Ile Glu Val Ala Gly Leu Ser His Gly Leu Glu
 545 550 555 560
 Gly Leu Arg Leu Lys Glu Arg Thr Leu Ser Ala Ser Ala Ala Glu Val
 565 570 575
 Ala Pro Arg Ala Val Ser Val Gly Ser Gln Pro Ser Val Phe Thr Glu
 580 585 590
 Arg Thr Gln Arg Glu Gly Pro Glu Glu Ala Glu Gly Leu Arg Tyr Gly
 595 600 605
 His Lys Lys Ser Leu Ser Asp Ala Thr Met Leu Ile His Ser Ser Glu
 610 615 620
 Glu Glu Glu Asp Glu Asp Phe Glu Glu Glu Ser Gly Ala Arg Ala Pro
 625 630 635 640
 Pro Ala Arg Ala Arg Glu Pro Arg Pro Gly Leu Ala Gln Asp Pro Pro
 645 650 655
 Gly Cys Pro Arg Val Leu Leu Ala Gly Pro Leu His Ile Leu Glu Pro
 660 665 670
 Lys Ala His Val Pro Asp Ala Glu Lys Arg Met Met Asp Ser Ser Pro
 675 680 685
 Val Arg Thr Thr Ala Glu Ala Gln Arg Pro Trp Arg Asp Gly Leu Leu
 690 695 700
 Met Pro Ser Met Ser Glu Ser Asp Leu Thr Thr Ser Gly Arg Tyr Arg
 705 710 715 720
 Ala Arg Arg Asp Ser Leu Lys Lys Arg Pro Val Ser Asp Leu Leu Ser
 725 730 735
 Gly Lys Lys Asn Ile Val Glu Gly Leu Pro Pro Leu Gly Gly Met Lys
 740 745 750
 Lys Thr Arg Val Asp Ala Lys Lys Ile Gly Pro Leu Lys Leu Ala Ala
 755 760 765
 Leu Asn Gly Leu Ser Leu Ser Arg Val Pro Leu Pro Asp Glu Gly Lys
 770 775 780
 Glu Val Ala Thr Arg Ala Thr Asn Asp Glu Arg Cys Lys Ile Leu Glu
 785 790 795 800
 Gln Arg Leu Glu Gln Gly Met Val Phe Thr Glu Tyr Glu Arg Ile Leu
 805 810 815
 Lys Lys Arg Leu Val Asp Gly Glu Cys Ser Thr Ala Arg Leu Pro Glu
 820 825 830
 Asn Ala Glu Arg Asn Arg Phe Gln Asp Val Leu Pro Tyr Asp Asp Val
 835 840 845
 Arg Val Glu Leu Val Pro Thr Lys Glu Asn Asn Thr Gly Tyr Ile Asn
 850 855 860

Ala Ser His Ile Lys Val Ser Val Ser Gly Ile Glu Trp Asp Tyr Ile
 865 870 875 880
 Ala Thr Gln Gly Pro Leu Gln Asn Thr Cys Gln Asp Phe Trp Gln Met
 885 890 895
 Val Trp Glu Gln Gly Ile Ala Ile Ile Ala Met Val Thr Ala Glu Glu
 900 905 910
 Glu Gly Gly Arg Glu Lys Ser Phe Arg Tyr Trp Pro Arg Leu Gly Ser
 915 920 925
 Arg His Asn Thr Val Thr Tyr Gly Arg Phe Lys Ile Thr Thr Arg Phe
 930 935 940
 Arg Thr Asp Ser Gly Cys Tyr Ala Thr Thr Gly Leu Lys Met Lys His
 945 950 955 960
 Leu Leu Thr Gly Gln Glu Arg Thr Val Trp His Leu Gln Tyr Thr Asp
 965 970 975
 Trp Pro Glu His Gly Cys Pro Glu Asp Leu Lys Gly Phe Leu Ser Tyr
 980 985 990
 Leu Glu Glu Ile Gln Ser Val Arg Arg His Thr Asn Ser Thr Ser Asp
 995 1000 1005
 Pro Gln Ser Pro Asn Pro Pro Leu Leu Val His Cys Ser Ala Gly Val
 1010 1015 1020
 Gly Arg Thr Gly Val Val Ile Leu Ser Glu Ile Met Ile Ala Cys Leu
 1025 1030 1035 1040
 Glu His Asn Glu Val Leu Asp Ile Pro Arg Val Leu Asp Met Leu Arg
 1045 1050 1055
 Gln Gln Arg Met Met Leu Val Gln Thr Leu Cys Gln Tyr Thr Phe Val
 1060 1065 1070
 Tyr Arg Val Leu Ile Gln Val Pro Glu Lys Ala Pro Arg Leu Ile Leu
 1075 1080 1085
 Ser Ser Pro Gln Phe Pro Tyr Gly Ala Gln Ser Cys Glu Ala Phe Thr
 1090 1095 1100
 Ala
 1105

<210> 1083
 <211> 99
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(99)
 <223> X = any amino acid or stop code

<400> 1083
 Arg Lys Lys Gln Lys Leu Ala Glu Glu Xaa Val Glu Leu Ser Lys Leu
 1 5 10 15
 Ala Asp Leu Lys Asp Ala Glu Ala Val Gln Lys Phe Phe Leu Glu Glu
 20 25 30
 Ile Xaa Leu Gly Glu Glu Ile Leu Ala Lys Gly Val Asp His Leu Thr
 35 40 45
 Asn Pro Ser Ala Val Cys Gly Gln Pro Gln Trp Leu Leu Gln Val Leu
 50 55 60
 Gln Gln Thr Leu Pro Leu Pro Val Ile Gln Met Leu Leu Thr Lys Pro
 65 70 75 80
 Leu Pro Val Asn Gln Arg Leu Val Ser Ala Gly Ser Leu Ala Lys Asp
 85 90 95
 Asp Val Glu
 99

<210> 1084
 <211> 206
 <212> Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(206)
 <223> X = any amino acid or stop code

<400> 1084
 Ser Phe Cys Leu His Glu Phe Gly Trp Leu Gly Ser Ser Pro Gln Ser
 1 5 10 15
 Asp His Pro Val Pro Ala Leu Leu Gly Leu Gly Ala Phe Val His His
 20 25 30
 Ser Leu Leu Gln Val His Ser Ser Pro Gly Ala Gly Pro Val Ser Phe
 35 40 45
 Leu Phe Leu Gly Glu Ser Cys Ser Pro Val Asp Glu Pro Arg Cys Val
 50 55 60
 Pro Ser Cys Ala Phe Gly Phe Leu Ser Cys Phe Pro Leu Leu Asn Ser
 65 70 75 80
 Ala Ala Leu Glu Arg Gly Leu Phe Phe Val Val Phe Phe Phe Leu
 85 90 95
 Glu Ser Gly Ser Cys Gln Val Ala Arg Ala Gly Val Arg Asp Arg Asp
 100 105 110
 Arg Gly Ser Leu Gln Pro Pro Pro Gly Leu Lys Gln Phe Cys Leu
 115 120 125
 Ser Leu Pro Ser Arg Trp Asp His Arg His Pro Pro Pro Leu Arg Val
 130 135 140
 Pro Xaa Phe Val Phe Val Phe Leu Val Glu Leu Gly Phe His His Val
 145 150 155 160
 Ala Gln Ala Gly Leu Lys Leu Leu Thr Leu Ser Asp Pro Pro Ala Pro
 165 170 175
 Ala Ser His Ser Ala Gly Ile Thr Gly Val Ser Gln Arg Asp Gln Pro
 180 185 190
 Val Leu Phe Leu Arg Trp Ala Ser Cys Ser Glu Leu Val Gly
 195 200 205 206

<210> 1085
 <211> 99
 <212> Amino acid
 <213> Homo sapiens

<400> 1085
 Glu Gly Phe Pro Gly Arg Ser Leu Ser Gly Gly Leu Cys Cys Arg Leu
 1 5 10 15
 Arg Arg Arg Phe Pro Ile Asp Gly Tyr Arg Pro Arg Arg Arg Arg Arg
 20 25 30
 Trp Ser Cys Cys Pro Ser Gly Val Arg Pro Val Arg Arg Met Ser Gln
 35 40 45
 Lys Ser Trp Ile Glu Ser Thr Leu Thr Lys Arg Glu Cys Val Tyr Ile
 50 55 60
 Ile Pro Ser Ser Lys Asp Pro His Arg Cys Leu Pro Gly Cys Gln Ile
 65 70 75 80

Cys Gln Gln Leu Val Arg Arg Gly Phe Thr Val Leu Ala Arg Met Val
 85 90 95
 Ser Ile Ser
 99

<210> 1086
 <211> 53
 <212>Amino acid
 <213> Homo sapiens

<400> 1086
 Gln Asn Ser Thr Cys Leu Thr Ala Gln Thr His Ser Leu Leu Gln His
 1 5 10 15
 Gln Pro Leu Gln Leu Thr Thr Leu Leu Asp Gln Tyr Ile Arg Glu Gln
 20 25 30
 Arg Glu Lys Asp Ser Val Met Ser Ala Asn Gly Lys Pro Asp Pro Asp
 35 40 45
 Thr Val Pro Asp Ser
 50 53

<210> 1087
 <211> 250
 <212>Amino acid
 <213> Homo sapiens

<400> 1087
 Leu Asn Pro Trp Lys Asn Ala Leu Gln Asp Phe Cys Leu Pro Phe Leu
 1 5 10 15
 Arg Ile Thr Ser Leu Leu Gln His His Leu Phe Gly Glu Asp Leu Pro
 20 25 30
 Ser Cys Gln Glu Glu Glu Phe Ser Val Leu Ala Ser Cys Leu Gly
 35 40 45
 Leu Leu Pro Thr Phe Tyr Gln Thr Glu His Pro Phe Ile Ser Ala Ser
 50 55 60
 Cys Leu Asp Trp Pro Val Pro Ala Phe Asp Ile Ile Thr His Trp Cys
 65 70 75 80
 Phe Glu Ile Lys Ser Phe Thr Glu Arg His Ala Glu Gln Gly Lys Ala
 85 90 95
 Leu Leu Ile Gln Glu Ser Lys Trp Lys Leu Pro His Leu Gln Leu
 100 105 110
 Pro Glu Asn Tyr Asn Thr Ile Phe Gln Tyr Tyr His Arg Lys Thr Cys
 115 120 125
 Ser Val Cys Thr Lys Val Pro Lys Asp Pro Ala Val Cys Leu Val Cys
 130 135 140
 Gly Thr Phe Val Cys Leu Lys Gly Leu Cys Cys Lys Gln Gln Ser Tyr
 145 150 155 160
 Cys Glu Cys Val Leu His Ser Gln Asn Cys Gly Ala Gly Thr Gly Ile
 165 170 175
 Phe Leu Leu Ile Asn Ala Ser Val Ile Ile Ile Arg Gly His Arg
 180 185 190
 Phe Cys Leu Trp Gly Ser Val Tyr Leu Asp Ala His Gly Glu Glu Asp
 195 200 205
 Arg Asp Leu Arg Arg Gly Lys Pro Leu Tyr Ile Cys Lys Glu Arg Tyr
 210 215 220

Lys Val Leu Glu Gln Gln Trp Ile Ser His Thr Phe Asp His Ile Asn
 225 230 235 240
 Lys Arg Trp Gly Pro His Tyr Asn Gly Leu
 245 250

<210> 1088
 <211> 455
 <212>Amino acid
 <213> Homo sapiens

<400> 1088
 Lys Gly Gln Leu Val Asn Leu Leu Pro Pro Glu Asn Phe Pro Trp Cys
 1 5 10 15
 Gly Gly Ser Gln Gly Pro Arg Met Leu Arg Thr Cys Tyr Val Leu Cys
 20 25 30
 Ser Gln Ala Gly Pro Arg Ser Arg Gly Trp Gln Ser Leu Ser Phe Asp
 35 40 45
 Gly Gly Ala Phe His Leu Lys Gly Thr Gly Glu Leu Thr Arg Ala Leu
 50 55 60
 Leu Val Leu Arg Leu Cys Ala Trp Pro Pro Leu Val Thr His Gly Leu
 65 70 75 80
 Leu Leu Gln Ala Trp Ser Arg Arg Leu Leu Gly Ser Arg Leu Ser Gly
 85 90 95
 Ala Phe Leu Arg Ala Ser Val Tyr Gly Gln Phe Val Ala Gly Glu Thr
 100 105 110
 Ala Glu Glu Val Lys Gly Cys Val Gln Gln Leu Arg Thr Leu Ser Leu
 115 120 125
 Arg Pro Leu Leu Ala Val Pro Thr Glu Glu Glu Pro Asp Ser Ala Ala
 130 135 140
 Lys Ser Gly Glu Ala Trp Tyr Glu Gly Asn Leu Gly Ala Met Leu Arg
 145 150 155 160
 Cys Val Asp Leu Ser Arg Gly Leu Leu Glu Pro Pro Ser Leu Ala Glu
 165 170 175
 Ala Ser Leu Met Gln Leu Lys Val Thr Ala Leu Thr Ser Thr Arg Leu
 180 185 190
 Cys Lys Glu Leu Ala Ser Trp Val Arg Arg Pro Gly Ala Ser Leu Glu
 195 200 205
 Leu Ser Pro Glu Arg Leu Ala Glu Ala Met Asp Ser Gly Gln Asn Leu
 210 215 220
 Gln Val Ser Cys Leu Asn Ala Glu Gln Asn Gln His Leu Arg Ala Ser
 225 230 235 240
 Leu Ser Arg Leu His Arg Val Ala Gln Tyr Ala Arg Ala Gln His Val
 245 250 255
 Arg Leu Leu Val Asp Ala Glu Tyr Thr Ser Leu Asn Pro Ala Leu Ser
 260 265 270
 Leu Leu Val Ala Ala Leu Ala Val Arg Trp Asn Ser Pro Gly Glu Gly
 275 280 285
 Gly Pro Trp Val Trp Asn Thr Tyr Gln Ala Cys Leu Lys Asp Thr Phe
 290 295 300
 Glu Arg Leu Gly Arg Asp Ala Glu Ala Ala His Arg Ala Gly Leu Ala
 305 310 315 320
 Phe Gly Val Lys Leu Val Arg Gly Ala Tyr Leu Asp Lys Glu Arg Ala
 325 330 335
 Val Ala Gln Leu His Gly Met Glu Asp Pro Pro Thr Gln Ala Asp Tyr
 340 345 350
 Glu Ala Thr Ser Gln Ser Tyr Ser Arg Cys Leu Glu Leu Met Leu Thr
 355 360 365
 His Val Ala Arg His Gly Pro Met Cys His Leu Met Val Ala Ser His
 370 375 380

Asn Glu Glu Ser Val Arg Gln Ala Thr Lys Gly Gln Ala Gly Tyr Val
 385 390 395 400
 Val Tyr Lys Ser Ile Pro Tyr Gly Ser Leu Glu Glu Val Ile Pro Tyr
 405 410 415
 Leu Ile Arg Arg Ala Gln Glu Asn Arg Ser Val Leu Gln Gly Ala Arg
 420 425 430
 Arg Glu Gln Glu Leu Leu Ser Gln Lys Leu Trp Arg Arg Leu Leu Pro
 435 440 445
 Gly Cys Arg Arg Ile Pro His
 450 455

<210> 1089
 <211> 243
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(243)
 <223> X = any amino acid or stop code

<400> 1089
 Val Val Glu Phe Gly Glu Met Ser Thr Ala Arg Ala Pro Glu Gly Leu
 1 5 10 15
 Arg Trp Phe Gln Leu Tyr Val His Pro Asp Leu Gln Leu Asn Lys Gln
 20 25 30
 Leu Ile Gln Arg Val Glu Ser Leu Gly Phe Lys Ala Leu Val Ile Thr
 35 40 45
 Leu Asp Thr Pro Val Cys Gly Asn Arg Arg His Asp Ile Arg Asn Gln
 50 55 60
 Leu Arg Arg Asn Leu Thr Leu Thr Asp Leu Gln Ser Pro Lys Lys Gly
 65 70 75 80
 Asn Ala Ile Pro Tyr Phe Gln Met Thr Pro Ile Ser Thr Ser Leu Cys
 85 90 95
 Trp Asn Asp Leu Ser Trp Phe Gln Ser Ile Thr Arg Leu Pro Ile Ile
 100 105 110
 Leu Lys Gly Ile Leu Thr Lys Glu Asp Ala Glu Leu Ala Val Lys His
 115 120 125
 Asn Val Gln Gly Ile Ile Val Ser Asn His Gly Arg Gln Leu Asp
 130 135 140
 Glu Val Leu Ala Ser Ile Asp Ala Leu Thr Glu Val Gly Ala Ala Glu
 145 150 155 160
 Xaa Gly Asn Met Lys Tyr Tyr Leu Asp Ala Gly Val Arg Thr Gly Asn
 165 170 175
 Asp Val Gln Lys Ala Leu Ala Leu Gly Ala Lys Cys Ile Phe Leu Gly
 180 185 190
 Arg Pro Ile Leu Trp Gly Leu Ala Cys Lys Gly Glu His Gly Val Lys
 195 200 205
 Glu Val Leu Asn Ile Leu Thr Asn Glu Phe His Thr Ser Met Ala Leu
 210 215 220
 Thr Gly Cys Arg Ser Val Ala Glu Ile Asn Arg Asn Leu Val Gln Phe
 225 230 235 240
 Ser Arg Leu
 243

<210> 1090
 <211> 90
 <212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(90)

<223> X = any amino acid or stop code

<400> 1090

Phe	Phe	Leu	Arg	Trp	Ser	Phe	Thr	Leu	Leu	Pro	Arg	Leu	Glu	Cys	Gln	
1																
													10		15	
Trp	Leu	Asn	Leu	Gly	Ser	Leu	Gln	Pro	Pro	Pro	Pro	Gly	Phe	Lys	Xaa	
													20	25	30	
Ser	Ser	Cys	Leu	Arg	Leu	Leu	Ser	Ser	Trp	Gly	Leu	Gln	Val	Pro	Thr	
													35	40	45	
Ser	Met	Leu	Gly	Xaa	Phe	Phe	Cys	Ile	Phe	Ser	Arg	Glu	Gly	Ile	Ser	
													50	55	60	
Pro	Cys	Trp	Pro	Gly	Trp	Ser	Gln	Thr	Pro	Lys	Val	Ile	His	Leu	Pro	
													65	70	75	80
Arg	Pro	Pro	Arg	Val	Leu	Arg	Leu	Gln	Ala							
													85	90		

<210> 1091

<211> 259

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(259)

<223> X = any amino acid or stop code

<400> 1091

Leu	Leu	Cys	Phe	Val	His	Thr	Ala	Leu	Gln	Ser	Phe	Gln	Gly	Glu	Leu	
1																
													10		15	
Tyr	Glu	Pro	His	Val	Val	Ile	Ala	Ile	Val	Val	Phe	Leu	Val	Lys	Leu	
													20	25	30	
Gly	Ile	Cys	Lys	Xaa	Arg	Ala	Ser	Trp	Arg	Lys	Lys	Val	Thr	Leu	Val	
													35	40	45	
Val	Lys	Xaa	Ser	Leu	Lys	Ile	Cys	Phe	Thr	Lys	Tyr	Gly	Ser	Cys	Tyr	
													50	55	60	
His	Pro	Gly	Glu	Lys	Ser	Ser	Ser	Trp	Leu	Phe	Asn	Xaa	Arg	Met	Val	
													65	70	75	80
Asn	Asp	Cys	Leu	Ala	Thr	Ser	Cys	Ser	Asn	Arg	Ser	Phe	Val	Ile	Gln	
													85	90	95	
Gln	Ile	Pro	Ser	Ser	Asn	Leu	Phe	Met	Val	Val	Val	Asp	Ser	Ser	Cys	
													100	105	110	
Leu	Cys	Glu	Ser	Val	Ala	Pro	Ile	Thr	Met	Ala	Pro	Ile	Glu	Ile	Arg	
													115	120	125	
Tyr	Ile	Leu	Leu	Cys	Ala	Gly	Pro	Leu	Thr	Thr	Glu	Thr	Ser	Lys		
													130	135	140	
Gly	Tyr	Gln	Trp	Xaa	Gly	Asn	Leu	Gly	Glu	Lys	Tyr	Xaa	Arg	Arg	Lys	
													145	150	155	160
Ile	Thr	Ser	Phe	Pro	Leu	Leu	Glu	Arg	Glu	Ser	Ser	Xaa	Glu	Ser	Cys	
													165	170	175	
His	Cys	Gln	Ile	Leu	Thr	Ser	Glu	Met	Gln	Ser	Arg	Lys	Lys	Gln	Ser	

180	185	190
Leu Glu Thr Cys Leu Asn Tyr Ser Gln His Asn Glu Ser Leu Lys Cys		
195	200	205
Glu Arg Leu Lys Ala Gln Lys Ile Arg Arg Arg Pro Glu Ser Cys His		
210	215	220
Gly Phe His Pro Glu Glu Asn Ala Arg Glu Cys Gly Gly Ala Pro Ser		
225	230	235
Leu Gln Ala Gln Thr Val Leu Leu Leu Pro Leu Leu Leu Met Leu		
245	250	255
Phe Ser Arg		
259		

<210> 1092
<211> 117
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(117)
<223> X = any amino acid or stop code

<400> 1092		
Val Pro Ser Pro Thr His Asp Pro Lys Pro Ala Glu Ala Pro Met Pro		
1	5	10
Ala Xaa Pro Ala Pro Pro Gly Pro Ala Ser Pro Gly Gly Ala Leu Glu		
20	25	30
Pro Pro Ala Ala Ala Arg Ala Gly Gly Ser Pro Thr Ala Val Arg Ser		
35	40	45
Ile Leu Thr Lys Glu Arg Arg Pro Glu Gly Gly Tyr Lys Ala Val Trp		
50	55	60
Phe Gly Glu Asp Ile Gly Thr Glu Ala Asp Val Val Val Leu Asn Ala		
65	70	75
Pro Thr Leu Asp Val Asp Gly Ala Ser Asp Ser Gly Ser Gly Asp Glu		
85	90	95
Gly Glu Gly Ala Gly Arg Gly Gly Pro Tyr Asp Ala Pro Gly Gly		
100	105	110
Asp Asp Ser Tyr Ile		
115	117	

<210> 1093
<211> 763
<212>Amino acid
<213> Homo sapiens

<400> 1093		
Leu Ile Ser Leu Ala Gly Pro Thr Asp Asp Ile Gln Ser Thr Gly Pro		
1	5	10
Gln Val His Ala Leu Asn Ile Leu Arg Ala Leu Phe Arg Asp Thr Arg		
20	25	30
Leu Gly Glu Asn Ile Ile Pro Tyr Val Ala Asp Gly Ala Lys Ala Ala		
35	40	45
Ile Leu Gly Phe Thr Ser Pro Val Trp Ala Val Arg Asn Ser Ser Thr		
50	55	60

Leu Leu Phe Ser Ala Leu Ile Thr Arg Ile Phe Gly Val Lys Arg Ala
 65 70 75 80
 Lys Asp Glu His Ser Lys Thr Asn Arg Met Thr Gly Arg Glu Phe Phe
 85 90 95
 Ser Arg Phe Pro Glu Leu Tyr Pro Phe Leu Leu Lys Gln Leu Glu Thr
 100 105 110
 Val Ala Asn Thr Val Asp Ser Asp Met Gly Glu Pro Asn Arg His Pro
 115 120 125
 Ser Met Phe Leu Leu Leu Val Leu Glu Arg Leu Tyr Ala Ser Pro
 130 135 140
 Met Asp Gly Thr Ser Ser Ala Leu Ser Met Gly Pro Phe Val Pro Phe
 145 150 155 160
 Ile Met Arg Cys Gly His Ser Pro Val Tyr His Ser Arg Glu Met Ala
 165 170 175
 Ala Arg Ala Leu Val Pro Phe Val Met Ile Asp His Ile Pro Asn Thr
 180 185 190
 Ile Arg Thr Leu Leu Ser Thr Leu Pro Ser Cys Thr Asp Gln Cys Phe
 195 200 205
 Arg Gln Asn His Ile His Gly Thr Leu Leu Gln Val Phe His Leu Val
 210 215 220
 Gln Ala Tyr Ser Asp Ser Lys His Gly Thr Asn Ser Asp Phe Gln His
 225 230 235 240
 Glu Leu Thr Asp Ile Thr Val Cys Thr Lys Ala Lys Leu Trp Leu Ala
 245 250 255
 Lys Arg Gln Asn Pro Cys Leu Val Thr Arg Ala Val Tyr Ile Asp Ile
 260 265 270
 Leu Phe Leu Leu Thr Cys Cys Leu Asn Arg Ser Ala Lys Asp Asn Gln
 275 280 285
 Pro Val Leu Glu Ser Leu Gly Phe Trp Glu Glu Val Arg Gly Ile Ile
 290 295 300
 Ser Gly Ser Glu Leu Ile Thr Gly Phe Pro Trp Ala Phe Lys Val Pro
 305 310 315 320
 Gly Leu Pro Gln Tyr Leu Gln Ser Leu Thr Arg Leu Ala Ile Ala Ala
 325 330 335
 Val Trp Ala Ala Ala Lys Ser Gly Glu Arg Glu Thr Asn Val Pro
 340 345 350
 Ile Ser Phe Ser Gln Leu Leu Glu Ser Ala Phe Pro Glu Val Arg Ser
 355 360 365
 Leu Thr Leu Glu Ala Leu Leu Glu Lys Phe Leu Ala Ala Ala Ser Gly
 370 375 380
 Leu Gly Glu Lys Gly Val Pro Pro Leu Leu Cys Asn Met Gly Glu Lys
 385 390 395 400
 Phe Leu Leu Ala Met Lys Glu Asn His Pro Glu Cys Phe Cys Lys
 405 410 415
 Ile Leu Lys Ile Leu His Cys Met Asp Pro Gly Glu Trp Leu Pro Gln
 420 425 430
 Thr Glu His Cys Val His Leu Thr Pro Lys Glu Phe Leu Ile Trp Thr
 435 440 445
 Met Asp Ile Ala Ser Asn Glu Arg Ser Glu Ile Gln Ser Val Ala Leu
 450 455 460
 Arg Leu Ala Ser Lys Val Ile Ser His His Met Gln Thr Cys Val Glu
 465 470 475 480
 Asn Arg Glu Leu Ile Ala Ala Glu Leu Lys Gln Trp Val Gln Leu Val
 485 490 495
 Ile Leu Ser Cys Glu Asp His Leu Pro Thr Glu Ser Arg Leu Ala Val
 500 505 510
 Val Glu Val Leu Thr Ser Thr Pro Leu Phe Leu Thr Asn Pro His
 515 520 525
 Pro Ile Leu Glu Leu Gln Asp Thr Leu Ala Leu Trp Lys Cys Val Leu
 530 535 540
 Thr Leu Leu Gln Ser Glu Glu Gln Ala Val Arg Asp Ala Ala Thr Glu
 545 550 555 560
 Thr Val Thr Thr Ala Met Ser Gln Glu Asn Thr Cys Gln Ser Thr Glu
 565 570 575

Phe Ala Phe Cys Gln Val Asp Ala Ser Ile Ala Leu Ala Leu Ala Leu
 580 585 590
 Ala Val Leu Cys Asp Leu Leu Gln Gln Trp Asp Gln Leu Ala Pro Gly
 595 600 605
 Leu Pro Ile Leu Leu Gly Trp Leu Leu Gly Glu Ser Asp Asp Leu Val
 610 615 620
 Ala Cys Val Glu Ser Met His Gln Val Glu Glu Asp Tyr Leu Phe Glu
 625 630 635 640
 Lys Ala Glu Val Asn Phe Trp Ala Glu Thr Leu Ile Phe Val Lys Tyr
 645 650 655
 Leu Cys Lys His Leu Phe Cys Leu Leu Ser Lys Ser Gly Trp Arg Pro
 660 665 670
 Pro Ser Pro Glu Met Leu Cys His Leu Gln Arg Met Val Ser Glu Gln
 675 680 685
 Cys His Leu Leu Ser Gln Phe Phe Arg Glu Leu Pro Pro Ala Ala Glu
 690 695 700
 Phe Val Lys Thr Val Glu Phe Thr Arg Leu Arg Ile Gln Glu Glu Arg
 705 710 715 720
 Thr Leu Ala Cys Leu Arg Leu Leu Ala Phe Leu Glu Gly Lys Glu Gly
 725 730 735
 Glu Asp Thr Leu Val Leu Ser Val Trp Asp Ser Tyr Ala Glu Ser Arg
 740 745 750
 Gln Leu Thr Leu Pro Arg Thr Glu Ala Ala Cys
 755 760 763

<210> 1094
<211> 413
<212>Amino acid
<213> Homo sapiens

<400> 1094
His Ala Phe Arg Pro Ile Ala Leu Gln Arg Gly Val Ser Phe Arg Gly
 1 5 10 15
Cys Ser Asn Gln Tyr Ala Glu Ser Arg Arg Leu Gln Gly Glu Ser Gly
 20 25 30
Ser Arg Ala Phe Ala His Leu Met Glu Ser Leu Leu Gln His Leu Asp
 35 40 45
Arg Phe Ser Glu Leu Ala Val Ser Ser Thr Thr Tyr Val Ser Thr
 50 55 60
Trp Asp Pro Ala Thr Val Arg Arg Ala Leu Gln Trp Ala Arg Tyr Leu
 65 70 75 80
Arg His Ile His Arg Arg Phe Gly Arg His Gly Pro Ile Arg Thr Ala
 85 90 95
Leu Glu Arg Arg Leu His Asn Gln Trp Arg Gln Glu Gly Phe Gly
 100 105 110
Arg Gly Pro Val Pro Gly Leu Ala Asn Phe Gln Ala Leu Gly His Cys
 115 120 125
Asp Val Leu Leu Ser Leu Arg Leu Leu Glu Asn Arg Ala Leu Gly Asp
 130 135 140
Ala Ala Arg Tyr His Leu Val Gln Gln Leu Phe Pro Gly Pro Gly Val
 145 150 155 160
Arg Asp Ala Asp Glu Glu Thr Leu Gln Glu Ser Leu Ala Arg Leu Ala
 165 170 175
Arg Arg Arg Ser Ala Val His Met Leu Arg Phe Asn Gly Tyr Arg Glu
 180 185 190
Asn Pro Asn Leu Gln Glu Asp Ser Leu Met Lys Thr Gln Ala Glu Leu
 195 200 205
Leu Leu Glu Arg Leu Gln Glu Val Gly Lys Ala Glu Ala Glu Arg Pro
 210 215 220

Ala Arg Phe Leu Ser Ser Leu Trp Glu Arg Leu Pro Gln Asn Asn Phe
 225 230 235 240
 Leu Lys Val Ile Ala Val Ala Leu Leu Gln Pro Pro Leu Ser Arg Arg
 245 250 255
 Pro Gln Glu Leu Glu Pro Gly Ile His Lys Ser Pro Gly Glu Gly
 260 265 270
 Ser Gln Val Leu Val His Trp Leu Leu Gly Asn Ser Glu Val Phe Ala
 275 280 285
 Ala Phe Cys Arg Ala Leu Pro Ala Gly Leu Leu Thr Leu Val Thr Ser
 290 295 300
 Arg His Pro Ala Leu Ser Pro Val Tyr Leu Gly Leu Leu Thr Asp Trp
 305 310 315 320
 Gly Gln Arg Leu His Tyr Asp Leu Gln Lys Gly Ile Trp Val Gly Thr
 325 330 335
 Glu Ser Gln Asp Val Pro Trp Glu Glu Leu His Asn Arg Phe Gln Ser
 340 345 350
 Leu Cys Gln Ala Pro Pro Pro Leu Lys Asp Lys Val Leu Thr Ala Leu
 355 360 365
 Glu Thr Cys Lys Ala Gln Asp Gly Asp Phe Glu Glu Pro Gly Leu Ser
 370 375 380
 Ile Trp Thr Asp Leu Leu Ala Leu Arg Ser Gly Ala Phe Arg Lys
 385 390 395 400
 Arg Gln Val Leu Gly Leu Ser Ala Gly Leu Ser Ser Val
 405 410 413

<210> 1095
 <211> 344
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(344)
 <223> X = any amino acid or stop code

<400> 1095
 Ser His Leu Ile Gln His Gln Arg Ile His Thr Xaa Glu Xaa Ala His
 1 5 10 15
 Glu Cys Asn Glu Cys Gly Lys Ala Phe Ser Gln Thr Ser Cys Leu Ile
 20 25 30
 Gln His His Met His Arg Lys Glu Lys Ser Tyr Glu Cys Asn Glu
 35 40 45
 Tyr Glu Gly Ser Phe Ser His Ser Ser Asp Leu Ile Leu Gln Gln Glu
 50 55 60
 Val Leu Thr Arg Gln Lys Ala Phe Asp Cys Asp Val Trp Glu Lys Asn
 65 70 75 80
 Ser Ser Gln Arg Ala His Leu Val Gln His Gln Ser Ile His Thr Lys
 85 90 95
 Glu Lys Pro His Glu Cys Asn Glu Asp Gly Lys Ile Phe Asn Gln Ile
 100 105 110
 Gln Ala Leu Ile Gln His Leu Arg Val His Thr Arg Glu Lys Tyr Val
 115 120 125
 Cys Thr Ala Cys Gly Lys Ala Phe Ser His Ser Ser Ala Ile Ala Gln
 130 135 140
 His Gln Ile Ile His Thr Arg Glu Lys Pro Ser Glu Cys Asp Glu Xaa
 145 150 155 160
 Arg Lys Gly Ile Ser Val Lys Leu Leu Ile Asp Ser Cys Arg Ile Tyr
 165 170 175
 Thr Ser Glu Lys Ser Tyr Lys Cys Ile Glu Cys Gly Lys Phe Phe Met

180	185	190
Leu Leu Val Phe Ser Tyr Leu Ser His Ile Trp Arg Ile His Met Gly		
195	200	205
Ile Lys Phe His Cys Cys Asn Glu Cys Glu Lys Ala Ile Ser Gln Arg		
210	215	220
Asn Tyr Leu Val Xaa Tyr Gln Ile His Ala Met Gln Lys Asp Tyr Lys		
225	230	235
Cys Asn Glu Ala Cys Met Cys Val Arg Arg Phe Ser His Asn Pro Thr		
245	250	255
Leu Ile Gln His Gln Arg Ile Tyr Thr Xaa Glu Asn Leu Phe Gly Cys		
260	265	270
Ser Lys Cys Gly Arg Ser Phe Asn Arg Ser Leu Thr Ser Leu Cys His		
275	280	285
Ile Arg Ile Ser Ile Arg Arg Gln Glu Phe Asp Val Thr Gln Met Glu		
290	295	300
Lys Leu Asp Thr Thr Phe Gln Ala Ser Thr Gln His Arg Asn Asn Gly		
305	310	315
Glu Lys Ile Val Asp Tyr Leu Phe Met Lys Leu Leu Ile His Ser Pro		
325	330	335
Asn Leu Phe His Cys Thr Lys Ile		
340	344	

<210> 1096

<211> 76

<212>Amino acid

<213> Homo sapiens

<400> 1096

Ala Val Thr Leu Thr Ala Lys Ile Cys Ser Phe Thr Pro Glu Pro Ser		
1	5	10
Glu Thr Met Ser Pro Pro Ala Gly Thr Asn Asn Ser Arg His Ala Ala		
20	25	30
Leu Arg Ala Val Thr Leu Pro Val Lys Val Cys Ser Phe Thr Pro Glu		
35	40	45
Pro Ala Arg Ser Arg Thr His Gln Lys Glu Glu Thr Pro Asn Thr Ser		
50	55	60
Glu His Gln Lys Glu Gln Thr Pro Glu Ala Pro Pro		
65	70	75 76

<210> 1097

<211> 1462

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1462)

<223> X = any amino acid or stop code

<400> 1097

Met Ala Tyr Ser Trp Gln Thr Asp Pro Asn Pro Asn Glu Ser His Glu		
1	5	10
Lys Gln Tyr Glu His Gln Glu Phe Leu Phe Val Asn Gln Pro His Ser		
20	25	30

Ser Ser Gln Val Ser Leu Gly Phe Asp Gln Ile Val Asp Glu Ile Ser
 35 40 45
 Gly Lys Ile Pro His Tyr Glu Ser Glu Ile Asp Glu Asn Thr Phe Phe
 50 55 60
 Val Pro Thr Ala Pro Lys Trp Asp Ser Thr Gly His Ser Leu Asn Glu
 65 70 75 80
 Ala His Gln Ile Ser Leu Asn Glu Phe Thr Ser Lys Ser Arg Glu Leu
 85 90 95
 Ser Trp His Gln Val Ser Lys Ala Pro Ala Ile Gly Phe Ser Pro Ser
 100 105 110
 Val Leu Pro Lys Pro Gln Asn Thr Asn Lys Glu Cys Ser Trp Gly Ser
 115 120 125
 Pro Ile Gly Lys His His Gly Ala Asp Asp Ser Arg Phe Ser Ile Leu
 130 135 140
 Ala Pro Ser Phe Thr Ser Leu Asp Lys Ile Asn Leu Glu Lys Glu Leu
 145 150 155 160
 Glu Asn Glu Asn His Asn Tyr His Ile Gly Phe Glu Ser Ser Ile Pro
 165 170 175
 Pro Thr Asn Ser Ser Phe Ser Ser Asp Phe Met Pro Lys Glu Glu Asn
 180 185 190
 Lys Arg Ser Gly His Val Asn Ile Val Glu Pro Ser Leu Met Leu Leu
 195 200 205
 Lys Gly Ser Leu Gln Pro Gly Met Trp Glu Ser Thr Trp Gln Lys Asn
 210 215 220
 Ile Glu Ser Ile Gly Cys Ser Ile Gln Leu Val Glu Val Pro Gln Ser
 225 230 235 240
 Ser Asn Thr Ser Leu Ala Ser Phe Cys Asn Lys Val Lys Lys Ile Arg
 245 250 255
 Glu Arg Tyr His Ala Ala Asp Val Asn Phe Asn Ser Gly Lys Ile Trp
 260 265 270
 Ser Thr Thr Ala Phe Pro Tyr Gln Leu Phe Ser Lys Thr Lys Phe
 275 280 285
 Asn Ile His Ile Phe Ile Asp Asn Ser Thr Gln Pro Leu His Phe Met
 290 295 300
 Pro Cys Ala Asn Tyr Leu Val Lys Asp Leu Ile Ala Glu Ile Leu His
 305 310 315 320
 Phe Cys Thr Asn Asp Gln Leu Leu Pro Lys Asp His Ile Leu Ser Val
 325 330 335
 Trp Gly Ser Glu Glu Phe Leu Gln Asn Asp His Cys Leu Gly Ser His
 340 345 350
 Lys Met Phe Gln Lys Asp Lys Ser Val Ile Gln Leu His Leu Gln Lys
 355 360 365
 Ser Arg Glu Ala Pro Gly Lys Leu Ser Arg Lys His Glu Glu Asp His
 370 375 380
 Ser Gln Phe Tyr Leu Asn Gln Leu Leu Glu Phe Met His Ile Trp Lys
 385 390 395 400
 Val Ser Arg Gln Cys Leu Leu Thr Leu Ile Arg Lys Tyr Asp Phe His
 405 410 415
 Leu Lys Tyr Leu Leu Lys Thr Gln Glu Asn Val Tyr Asn Ile Ile Glu
 420 425 430
 Glu Val Lys Ile Cys Ser Val Leu Gly Cys Val Glu Thr Lys Gln
 435 440 445
 Ile Thr Asp Ala Val Asn Glu Leu Ser Leu Ile Leu Gln Arg Lys Gly
 450 455 460
 Glu Asn Phe Tyr Gln Ser Ser Glu Thr Ser Ala Lys Gly Leu Ile Glu
 465 470 475 480
 Lys Val Thr Thr Glu Leu Ser Thr Ser Ile Tyr Gln Leu Ile Asn Val
 485 490 495
 Tyr Cys Asn Ser Phe Tyr Ala Asp Phe Gln Pro Val Asn Val Pro Arg
 500 505 510
 Cys Thr Ser Tyr Leu Asn Pro Gly Leu Pro Ser His Leu Ser Phe Thr
 515 520 525
 Val Tyr Ala Ala His Asn Ile Pro Glu Thr Trp Val His Arg Ile Asn
 530 535 540

Phe Pro Leu Glu Ile Lys Ser Leu Pro Arg Glu Ser Met Leu Thr Val
 545 550 555 560
 Lys Leu Phe Gly Ile Ala Cys Ala Thr Asn Asn Ala Asn Leu Leu Ala
 565 570 575
 Trp Thr Cys Leu Pro Leu Phe Pro Lys Glu Lys Ser Ile Leu Gly Ser
 580 585 590
 Met Leu Phe Ser Met Thr Leu Gln Ser Glu Pro Pro Val Glu Met Ile
 595 600 605
 Thr Pro Gly Val Trp Asp Val Ser Gln Pro Ser Pro Val Thr Leu Gln
 610 615 620
 Ile Asp Phe Pro Ala Thr Gly Trp Glu Tyr Met Lys Pro Asp Ser Glu
 625 630 635 640
 Glu Asn Arg Ser Asn Leu Glu Glu Pro Leu Lys Glu Cys Ile Lys His
 645 650 655
 Ile Ala Arg Leu Ser Gln Lys Gln Thr Pro Leu Leu Leu Ser Glu Glu
 660 665 670
 Lys Lys Arg Tyr Leu Trp Phe Tyr Arg Phe Tyr Cys Asn Asn Glu Asn
 675 680 685
 Cys Ser Leu Pro Leu Val Leu Gly Ser Ala Pro Gly Trp Asp Glu Arg
 690 695 700
 Thr Val Ser Glu Met His Thr Ile Leu Arg Arg Trp Thr Phe Ser Gln
 705 710 715 720
 Pro Leu Glu Ala Leu Gly Leu Leu Thr Ser Ser Phe Pro Asp Gln Glu
 725 730 735
 Ile Arg Lys Val Ala Val Gln Gln Leu Asp Asn Leu Leu Asn Asp Glu
 740 745 750
 Leu Leu Glu Tyr Leu Pro Gln Leu Val Gln Ala Val Lys Phe Glu Trp
 755 760 765
 Asn Leu Glu Ser Pro Leu Val Gln Leu Leu Leu His Arg Ser Leu Gln
 770 775 780
 Ser Ile Gln Val Ala His Arg Leu Tyr Trp Leu Leu Lys Asn Ala Glu
 785 790 795 800
 Asn Glu Ala Tyr Phe Lys Ser Trp Tyr Gln Lys Leu Leu Ala Ala Leu
 805 810 815
 Gln Phe Cys Ala Gly Lys Ala Leu Asn Asp Glu Phe Ser Lys Glu Gln
 820 825 830
 Lys Leu Ile Lys Ile Leu Gly Asp Ile Gly Glu Arg Val Lys Ser Ala
 835 840 845
 Ser Asp His Gln Arg Gln Glu Val Leu Lys Lys Glu Ile Gly Arg Leu
 850 855 860
 Glu Glu Phe Phe Gln Asp Val Asn Thr Cys His Leu Pro Leu Asn Pro
 865 870 875 880
 Ala Leu Cys Ile Lys Gly Ile Asp His Asp Ala Cys Ser Tyr Phe Thr
 885 890 895
 Ser Asn Ala Leu Pro Leu Lys Ile Thr Phe Ile Asn Ala Asn Leu Met
 900 905 910
 Gly Lys Asn Ile Ser Ile Ile Phe Lys Ala Gly Asp Asp Leu Arg Gln
 915 920 925
 Asp Met Leu Val Leu Gln Leu Ile Gln Val Met Asp Asn Ile Trp Leu
 930 935 940
 Gln Glu Gly Leu Asp Met Gln Met Ile Ile Tyr Arg Cys Leu Ser Thr
 945 950 955 960
 Gly Lys Asp Gln Arg Leu Val Gln Met Val Pro Asp Ala Val Thr Leu
 965 970 975
 Ala Lys Ile His Arg His Ser Gly Leu Ile Gly Pro Leu Lys Glu Asn
 980 985 990
 Thr Ile Lys Lys Trp Phe Ser Gln His Asn His Leu Lys Ala Asp Tyr
 995 1000 1005
 Glu Lys Ala Leu Arg Asn Phe Phe Tyr Ser Cys Ala Gly Trp Cys Val
 1010 1015 1020
 Val Thr Phe Ile Leu Gly Val Cys Asp Arg His Asn Asp Asn Ile Met
 1025 1030 1035 1040
 Leu Thr Lys Ser Gly His Met Phe His Ile Asp Phe Gly Lys Phe Leu
 1045 1050 1055

Gly His Ala Gln Thr Phe Gly Gly Ile Lys Arg Asp Arg Ala Pro Phe
 1060 1065 1070
 Ile Phe Thr Ser Glu Met Glu Tyr Phe Ile Thr Glu Gly Gly Lys Asn
 1075 1080 1085
 Pro Gln His Phe Gln Asp Phe Val Glu Leu Cys Cys Arg Ala Tyr Asn
 1090 1095 1100
 Ile Ile Arg Lys His Ser Gln Leu Leu Leu Asn Leu Leu Glu Met Met
 1105 1110 1115 1120
 Leu Tyr Ala Gly Leu Pro Glu Leu Ser Gly Ile Gln Asp Leu Lys Tyr
 1125 1130 1135
 Val Tyr Asn Asn Leu Arg Pro Gln Asp Thr Asp Leu Glu Ala Thr Ser
 1140 1145 1150
 His Phe Thr Lys Lys Ile Lys Glu Ser Leu Glu Cys Phe Pro Val Lys
 1155 1160 1165
 Leu Asn Asn Leu Ile His Thr Leu Ala Gln Met Ser Ala Ile Ser Pro
 1170 1175 1180
 Ala Lys Ser Thr Ser Gln Thr Phe Pro Gln Glu Ser Cys Leu Leu Ser
 1185 1190 1195 1200
 Thr Thr Arg Ser Ile Glu Arg Ala Thr Ile Leu Gly Phe Ser Lys Lys
 1205 1210 1215
 Ser Ser Asn Leu Tyr Leu Ile Gln Val Thr His Ser Asn Asn Glu Thr
 1220 1225 1230
 Ser Leu Thr Glu Lys Ser Phe Glu Gln Phe Ser Lys Leu His Ser Gln
 1235 1240 1245
 Leu Gln Lys Gln Phe Ala Ser Leu Thr Leu Pro Glu Phe Pro His Trp
 1250 1255 1260
 Trp His Leu Pro Phe Thr Asn Ser Asp His Arg Arg Phe Arg Asp Leu
 1265 1270 1275 1280
 Asn His Tyr Met Glu Gln Ile Leu Asn Val Ser His Glu Val Thr Asn
 1285 1290 1295
 Ser Asp Cys Val Leu Ser Phe Phe Leu Ser Glu Ala Gly Gln Gln Thr
 1300 1305 1310
 Val Glu Glu Ser Ser Pro Val Tyr Leu Gly Glu Lys Phe Pro Asp Lys
 1315 1320 1325
 Lys Pro Lys Val Gln Leu Val Ile Ser Tyr Glu Asp Val Lys Leu Thr
 1330 1335 1340
 Ile Leu Val Lys His Met Lys Asn Ile His Leu Pro Asp Gly Ser Ala
 1345 1350 1355 1360
 Pro Ser Ala His Val Glu Phe Tyr Leu Leu Pro Tyr Pro Ser Glu Val
 1365 1370 1375
 Arg Arg Arg Lys Thr Lys Ser Val Pro Lys Cys Thr Asp Pro Thr Tyr
 1380 1385 1390
 Asn Glu Ile Val Val Tyr Asp Glu Val Thr Glu Leu Gln Gly His Val
 1395 1400 1405
 Leu Met Leu Ile Val Lys Ser Lys Thr Val Phe Val Gly Ala Ile Asn
 1410 1415 1420
 Ile Arg Leu Cys Ser Val Pro Leu Asp Lys Glu Lys Trp Tyr Pro Leu
 1425 1430 1435 1440
 Gly Asn Ser Ile Ile Xaa Pro Leu Leu Leu Phe Tyr Thr Ser Asn Phe
 1445 1450 1455
 Met Gln Ser Val Leu His
 1460 1462

<210> 1098
 <211> 111
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(111)
 <223> X = any amino acid or stop code

<400> 1098

Phe Phe Leu Arg Trp Ser Leu Asp Ser Val Thr Gln Ala Gly Val Gln
 1 5 10 15
 Ser His Asp Leu Ser Ser Leu Gln Pro Pro Pro Pro Gly Phe Lys Gln
 20 25 30
 Ser Ser Leu Phe Gly Leu Pro Ser Ser Trp Glu Xaa Arg Trp Val Pro
 35 40 45
 Pro Cys Pro Ala Asn Phe Phe Val Phe Leu Val Glu Thr Gly Phe Arg
 50 55 60
 His Val Gly Gln Ala Gly Leu Glu Leu Leu Thr Ser Asn Asp Leu Pro
 65 70 75 80
 Val Ser Ala Cys Gln Ser Ala Gly Ile Thr Gly Val Thr Thr Val Pro
 85 90 95
 Gln Arg Lys Ser Met Ile Leu Tyr Glu Val Thr Ile Cys Tyr Pro
 100 105 110 111

<210> 1099

<211> 1070

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1070)

<223> X = any amino acid or stop code

<400> 1099

Phe Val Arg Glu Ile Arg Gly Pro Ala Val Pro Arg Leu Thr Ser Ala
 1 5 10 15
 Glu Asp Arg His Arg His Gly Pro His Ala His Ser Pro Glu Leu Gln
 20 25 30
 Arg Thr Gly Arg Asp Tyr Ser Leu Asp Tyr Leu Pro Phe Arg Leu Trp
 35 40 45
 Val Gly Ile Trp Val Ala Thr Phe Cys Leu Val Leu Val Ala Thr Glu
 50 55 60
 Ala Ser Val Leu Val Arg Tyr Phe Thr Arg Phe Thr Glu Glu Gly Phe
 65 70 75 80
 Cys Ala Leu Ile Ser Leu Ile Phe Ile Tyr Asp Ala Val Gly Lys Met
 85 90 95
 Leu Asn Leu Thr His Thr Tyr Pro Ile Gln Lys Pro Gly Ser Ser Ala
 100 105 110
 Tyr Gly Cys Leu Cys Gln Tyr Pro Gly Pro Gly Gly Asn Glu Ser Gln
 115 120 125
 Trp Ile Arg Thr Arg Pro Lys Asp Arg Asp Asp Ile Val Ser Met Asp
 130 135 140
 Leu Gly Leu Ile Asn Ala Ser Leu Leu Pro Pro Pro Glu Cys Thr Arg
 145 150 155 160
 Gln Gly Gly His Pro Arg Gly Pro Gly Cys His Thr Val Pro Asp Ile
 165 170 175
 Ala Phe Phe Ser Leu Leu Phe Leu Thr Ser Phe Phe Phe Ala Met
 180 185 190
 Ala Leu Lys Cys Val Lys Thr Ser Arg Phe Phe Pro Ser Val Val Arg
 195 200 205
 Lys Gly Leu Ser Asp Phe Ser Ser Val Leu Ala Ile Leu Leu Gly Cys
 210 215 220

Gly Leu Asp Ala Phe Leu Gly Leu Ala Thr Pro Lys Leu Met Val Pro
 225 230 235 240
 Arg Glu Phe Lys Pro Thr Leu Pro Gly Arg Gly Trp Leu Val Ser Pro
 245 250 255
 Phe Gly Ala Asn Pro Trp Trp Trp Ser Val Ala Ala Ala Leu Pro Ala
 260 265 270
 Leu Leu Leu Ser Ile Leu Ile Phe Met Asp Gln Gln Ile Thr Ala Val
 275 280 285
 Ile Leu Asn Arg Met Glu Tyr Arg Leu Gln Lys Gly Ala Gly Phe His
 290 295 300
 Leu Asp Leu Phe Trp Val Ala Val Leu Met Leu Leu Thr Ser Ala Leu
 305 310 315 320
 Gly Leu Pro Trp Tyr Val Ser Ala Thr Val Ile Ser Leu Ala His Met
 325 330 335
 Asp Ser Leu Arg Arg Glu Ser Arg Ala Cys Ala Pro Gly Glu Arg Pro
 340 345 350
 Asn Phe Leu Gly Ile Arg Glu Gln Arg Leu Thr Gly Leu Val Val Phe
 355 360 365
 Ile Leu Thr Gly Ala Ser Ile Phe Leu Ala Pro Val Leu Lys Phe Ile
 370 375 380
 Pro Met Pro Val Leu Tyr Gly Ile Phe Leu Tyr Met Gly Val Ala Ala
 385 390 395 400
 Leu Ser Ser Ile Gln Phe Thr Asn Arg Val Lys Leu Leu Leu Met Pro
 405 410 415
 Ala Lys His Gln Pro Asp Leu Leu Leu Arg His Val Pro Leu Thr
 420 425 430
 Arg Val His Leu Phe Thr Ala Ile Ser Phe Ala Cys Leu Gly Leu Leu
 435 440 445
 Trp Ile Ile Lys Ser Thr Pro Ala Ala Ile Ile Phe Pro Leu Met Leu
 450 455 460
 Leu Gly Leu Val Gly Val Arg Lys Ala Leu Glu Arg Val Phe Ser Pro
 465 470 475 480
 Gln Glu Leu Leu Trp Leu Asp Glu Leu Met Pro Glu Glu Glu Arg Ser
 485 490 495
 Ile Pro Glu Lys Gly Leu Glu Pro Glu His Ser Phe Ser Gly Ser Asp
 500 505 510
 Ser Glu Asp Ser Glu Leu Met Tyr Gln Pro Lys Ala Pro Glu Ile Asn
 515 520 525
 Ile Ser Val Asn Xaa Leu Glu Xaa Glu Phe Val Arg Glu Ile Arg Gly
 530 535 540
 Pro Ala Val Pro Arg Leu Thr Ser Ala Glu Asp Arg His Arg His Gly
 545 550 555 560
 Pro His Ala His Ser Pro Glu Leu Gln Arg Thr Gly Arg Asp Tyr Ser
 565 570 575
 Leu Asp Tyr Leu Pro Phe Arg Leu Trp Val Gly Ile Trp Val Ala Thr
 580 585 590
 Phe Cys Leu Val Leu Val Ala Thr Glu Ala Ser Val Leu Val Arg Tyr
 595 600 605
 Phe Thr Arg Phe Thr Glu Glu Gly Phe Cys Ala Leu Ile Ser Leu Ile
 610 615 620
 Phe Ile Tyr Asp Ala Val Gly Lys Met Leu Asn Leu Thr His Thr Tyr
 625 630 635 640
 Pro Ile Gln Lys Pro Gly Ser Ser Ala Tyr Gly Cys Leu Cys Gln Tyr
 645 650 655
 Pro Gly Pro Gly Gly Asn Glu Ser Gln Trp Ile Arg Thr Arg Pro Lys
 660 665 670
 Asp Arg Asp Asp Ile Val Ser Met Asp Leu Gly Leu Ile Asn Ala Ser
 675 680 685
 Leu Leu Pro Pro Pro Glu Cys Thr Arg Gln Gly Gly His Pro Arg Gly
 690 695 700
 Pro Gly Cys His Thr Val Pro Asp Ile Ala Phe Phe Ser Leu Leu Leu
 705 710 715 720
 Phe Leu Thr Ser Phe Phe Ala Met Ala Leu Lys Cys Val Lys Thr
 725 730 735

Ser Arg Phe Pro Ser Val Val Arg Lys Gly Leu Ser Asp Phe Ser
 740 745 750
 Ser Val Leu Ala Ile Leu Leu Gly Cys Gly Leu Asp Ala Phe Leu Gly
 755 760 765
 Leu Ala Thr Pro Lys Leu Met Val Pro Arg Glu Phe Lys Pro Thr Leu
 770 775 780
 Pro Gly Arg Gly Trp Leu Val Ser Pro Phe Gly Ala Asn Pro Trp Trp
 785 790 795 800
 Trp Ser Val Ala Ala Ala Leu Pro Ala Leu Leu Ser Ile Leu Ile
 805 810 815
 Phe Met Asp Gln Gln Ile Thr Ala Val Ile Leu Asn Arg Met Glu Tyr
 820 825 830
 Arg Leu Gln Lys Gly Ala Gly Phe His Leu Asp Leu Phe Cys Val Ala
 835 840 845
 Val Leu Met Leu Leu Thr Ser Ala Leu Gly Leu Pro Trp Tyr Val Ser
 850 855 860
 Ala Thr Val Ile Ser Leu Ala His Met Asp Ser Leu Arg Arg Glu Ser
 865 870 875 880
 Arg Ala Cys Ala Pro Gly Glu Arg Pro Asn Phe Leu Gly Ile Arg Glu
 885 890 895
 Gln Arg Leu Thr Gly Leu Val Val Phe Ile Leu Thr Gly Ala Ser Ile
 900 905 910
 Phe Leu Ala Pro Val Leu Lys Phe Ile Pro Met Pro Val Leu Tyr Gly
 915 920 925
 Ile Phe Leu Tyr Met Gly Val Ala Ala Leu Ser Ser Ile Gln Phe Thr
 930 935 940
 Asn Arg Val Lys Leu Leu Asp Ala Ser Lys Thr Pro Ala Arg Pro
 945 950 955 960
 Ala Thr Leu Ala Ala Cys Ala Ser Asp Gln Gly Pro Pro Leu His Ser
 965 970 975
 His Gln Leu Cys Pro Val Trp Gly Cys Phe Gly Ile Ile Lys Ser Thr
 980 985 990
 Pro Ala Ala Ile Ile Phe Pro Leu Met Leu Leu Gly Leu Val Gly Val
 995 1000 1005
 Arg Lys Ala Leu Glu Arg Val Phe Ser Pro Gln Glu Leu Leu Trp Leu
 1010 1015 1020
 Asp Glu Leu Met Pro Glu Glu Glu Arg Ser Ile Pro Glu Lys Gly Leu
 1025 1030 1035 1040
 Glu Pro Glu His Ser Phe Ser Gly Ser Asp Ser Glu Asp Ser Glu Leu
 1045 1050 1055
 Met Tyr Gln Pro Lys Ala Pro Glu Ile Asn Ile Ser Val Asn
 1060 1065 1070

<210> 1100
 <211> 875
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(875)
 <223> X = any amino acid or stop code

<400> 1100
 Met Gly Leu Lys Ala Arg Arg Ala Ala Gly Ala Ala Gly Gly Gly
 1 5 10 15
 Asp Gly Gly Gly Gly Gly Ala Ala Asn Pro Ala Gly Gly Asp
 20 25 30
 Ala Ala Ala Gly Asp Glu Glu Arg Lys Val Gly Leu Ala Pro Gly

35	40	45
Asp Val Glu Gln Val Thr Leu Ala Leu Gly Ala Gly Ala Asp Lys Asp		
50	55	60
Gly Thr Leu Leu Leu Glu Gly Gly Arg Asp Glu Gly Gln Arg Arg		
65	70	75
Thr Pro Gln Gly Ile Gly Leu Leu Ala Lys Thr Pro Leu Ser Arg Pro		
85	90	95
Val Lys Arg Asn Asn Ala Lys Tyr Arg Arg Ile Gln Thr Leu Ile Tyr		
100	105	110
Asp Ala Leu Glu Arg Pro Arg Gly Trp Ala Leu Leu Tyr His Ala Leu		
115	120	125
Val Phe Leu Ile Val Leu Gly Cys Leu Ile Leu Ala Val Leu Thr Thr		
130	135	140
Phe Lys Glu Tyr Glu Thr Val Ser Gly Asp Trp Leu Leu Leu Leu Glu		
145	150	155
Thr Phe Ala Ile Phe Ile Phe Gly Ala Glu Phe Ala Leu Arg Ile Trp		
165	170	175
Ala Ala Gly Cys Cys Cys Arg Tyr Lys Gly Trp Arg Gly Arg Leu Lys		
180	185	190
Phe Ala Arg Lys Pro Leu Cys Met Leu Asp Ile Phe Val Leu Ile Ala		
195	200	205
Ser Val Pro Val Val Ala Val Gly Asn Gln Gly Asn Val Leu Ala Thr		
210	215	220
Ser Leu Arg Ser Leu Arg Phe Leu Gln Ile Leu Arg Met Leu Arg Asp		
225	230	235
Gly Pro Gly Glu Gly Gly Thr Trp Lys Leu Leu Gly Ser Ala Ile Cys		
245	250	255
Ala His Ser Lys Glu Leu Ile Thr Ala Trp Tyr Ile Gly Phe Leu Thr		
260	265	270
Leu Ile Leu Ser Ser Phe Leu Val Tyr Leu Val Glu Lys Asp Val Pro		
275	280	285
Glu Val Asp Ala Gln Gly Glu Glu Met Lys Glu Glu Phe Glu Thr Tyr		
290	295	300
Ala Asp Ala Leu Trp Trp Gly Leu Ile Thr Leu Ala Thr Ile Gly Tyr		
305	310	315
Gly Asp Lys Thr Pro Lys Thr Trp Glu Gly Arg Leu Ile Ala Ala Thr		
325	330	335
Phe Ser Leu Ile Gly Val Ser Phe Phe Ala Leu Pro Ala Gly Ile Leu		
340	345	350
Gly Ser Gly Leu Ala Leu Lys Val Gln Glu Gln His Arg Gln Lys His		
355	360	365
Phe Glu Lys Arg Arg Lys Pro Ala Ala Glu Leu Ile Gln Ala Ala Trp		
370	375	380
Arg Tyr Tyr Ala Thr Asn Pro Asn Arg Ile Asp Leu Val Ala Thr Trp		
385	390	395
Arg Phe Tyr Glu Ser Val Val Ser Phe Pro Phe Phe Arg Lys Glu Gln		
405	410	415
Leu Glu Ala Ala Ser Ser Gln Lys Leu Gly Leu Leu Asp Arg Val Arg		
420	425	430
Leu Ser Asn Pro Arg Gly Ser Asn Thr Lys Gly Lys Leu Phe Thr Pro		
435	440	445
Leu Asn Val Asp Ala Ile Glu Glu Ser Pro Ser Lys Glu Pro Lys Pro		
450	455	460
Val Gly Leu Asn Asn Lys Glu Arg Phe Arg Thr Ala Phe Arg Met Lys		
465	470	475
Ala Tyr Ala Phe Trp Gln Ser Ser Glu Asp Ala Gly Thr Gly Asp Pro		
485	490	495
Met Ala Glu Asp Arg Gly Tyr Gly Asn Asp Phe Pro Ile Glu Asp Met		
500	505	510
Ile Pro Thr Leu Lys Ala Ala Ile Arg Ala Val Arg Ile Leu Gln Phe		
515	520	525
Arg Leu Tyr Lys Lys Lys Phe Lys Glu Thr Leu Arg Pro Tyr Asp Val		
530	535	540
Lys Asp Val Ile Glu Gln Tyr Ser Ala Gly His Leu Asp Met Leu Ser		

545	550	555	560
Arg Ile Lys Tyr Leu Gln Thr Arg Ile Asp Met Ile Phe Thr Pro Gly			
565	570	575	
Pro Pro Ser Thr Pro Lys His Lys Lys Ser Gln Lys Gly Ser Ala Phe			
580	585	590	
Thr Phe Pro Ser Gln Gln Ser Pro Arg Asn Glu Pro Tyr Val Ala Arg			
595	600	605	
Pro Ser Thr Ser Glu Ile Glu Asp Gln Arg His Xaa Trp Gly Lys Phe			
610	615	620	
Val Lys Ser Leu Lys Gly Gln Val Gln Gly Leu Gly Arg Lys Leu Asp			
625	630	635	640
Phe Leu Val Asp Met His Met Gln His Met Glu Arg Leu Gln Val Gln			
645	650	655	
Val Thr Glu Tyr Tyr Pro Thr Lys Gly Thr Ser Ser Pro Ala Glu Ala			
660	665	670	
Glu Lys Lys Glu Asp Asn Arg Tyr Ser Asp Leu Lys Thr Ile Ile Cys			
675	680	685	
Asn Tyr Ser Glu Thr Gly Pro Pro Glu Pro Pro Tyr Ser Phe His Gln			
690	695	700	
Val Thr Ile Asp Lys Val Ser Pro Tyr Gly Phe Phe Ala His Asp Pro			
705	710	715	720
Val Asn Leu Pro Arg Gly Gly Pro Ser Ser Gly Lys Val Gln Ala Thr			
725	730	735	
Pro Pro Ser Ser Ala Thr Thr Tyr Val Glu Arg Pro Thr Val Leu Pro			
740	745	750	
Ile Leu Thr Leu Leu Asp Ser Arg Val Ser Cys His Ser Gln Ala Asp			
755	760	765	
Leu Gln Gly Pro Tyr Ser Asp Arg Ile Ser Pro Arg Gln Arg Arg Ser			
770	775	780	
Ile Thr Arg Asp Ser Asp Thr Pro Leu Ser Leu Met Ser Val Asn His			
785	790	795	800
Glu Glu Leu Glu Arg Ser Pro Ser Gly Phe Ser Ile Ser Gln Asp Arg			
805	810	815	
Asp Asp Tyr Val Phe Gly Pro Asn Gly Gly Ser Ser Trp Met Arg Glu			
820	825	830	
Lys Arg Tyr Leu Ala Glu Gly Glu Thr Asp Thr Asp Thr Asp Pro Phe			
835	840	845	
Thr Pro Ser Gly Ser Met Pro Leu Ser Ser Thr Gly Asp Gly Ile Ser			
850	855	860	
Asp Ser Val Trp Thr Pro Ser Asn Lys Pro Ile			
865	870	875	

<210> 1101
<211> 3530
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (3530)
<223> X = any amino acid or stop code

<400> 1101			
Arg Thr Arg Gly Ile Ile Glu Phe Asp Pro Lys Tyr Thr Ala Phe Glu			
1	5	10	15
Val Glu Glu Asp Val Gly Leu Ile Met Ile Pro Val Val Arg Leu His			
20	25	30	
Gly Thr Tyr Gly Tyr Val Thr Ala Asp Phe Ile Ser Gln Ser Ser Ser			
35	40	45	

Ala Ser Pro Gly Gly Val Asp Tyr Ile Leu His Gly Ser Thr Val Thr
 50 55 60
 Phe Gln His Gly Gln Asn Leu Ser Phe Ile Asn Ile Ser Ile Ile Asp
 65 70 75 80
 Asp Asn Glu Ser Glu Phe Glu Glu Pro Ile Glu Ile Leu Leu Thr Gly
 85 90 95
 Ala Thr Gly Gly Ala Val Leu Gly Arg His Leu Val Ser Arg Ile Ile
 100 105 110
 Ile Ala Lys Ser Asp Ser Pro Phe Gly Val Ile Arg Phe Leu Asn Gln
 115 120 125
 Ser Lys Ile Ser Ile Ala Asn Pro Asn Ser Thr Met Ile Leu Ser Leu
 130 135 140
 Val Leu Glu Arg Thr Gly Gly Leu Leu Gly Glu Ile Gln Val Asn Trp
 145 150 155 160
 Glu Thr Val Gly Pro Asn Ser Gln Glu Ala Leu Leu Pro Gln Asn Arg
 165 170 175
 Asp Ile Ala Asp Pro Val Ser Gly Leu Phe Tyr Phe Gly Glu Gly Glu
 180 185 190
 Gly Gly Val Arg Thr Ile Ile Leu Thr Ile Tyr Pro His Glu Glu Ile
 195 200 205
 Glu Val Glu Glu Thr Phe Ile Ile Lys Leu His Leu Val Lys Gly Glu
 210 215 220
 Ala Lys Leu Asp Ser Arg Ala Lys Asp Val Thr Leu Thr Ile Gln Glu
 225 230 235 240
 Phe Gly Asp Pro Asn Gly Val Val Gln Phe Ala Pro Glu Thr Leu Ser
 245 250 255
 Lys Lys Thr Tyr Ser Glu Pro Leu Ala Leu Glu Gly Pro Leu Leu Ile
 260 265 270
 Thr Phe Phe Val Arg Arg Val Lys Gly Thr Phe Gly Glu Ile Met Val
 275 280 285
 Tyr Trp Glu Leu Ser Ser Glu Phe Asp Ile Thr Glu Asp Phe Leu Ser
 290 295 300
 Thr Ser Gly Phe Phe Thr Ile Ala Asp Gly Glu Ser Glu Ala Ser Phe
 305 310 315 320
 Asp Val His Leu Leu Pro Asp Glu Val Pro Glu Ile Glu Glu Asp Tyr
 325 330 335
 Val Ile Gln Leu Val Ser Val Glu Gly Gly Ala Glu Leu Asp Leu Glu
 340 345 350
 Lys Ser Ile Thr Trp Phe Ser Val Tyr Ala Asn Asp Asp Pro His Gly
 355 360 365
 Val Phe Ala Leu Tyr Ser Asp Arg Gln Ser Ile Leu Ile Gly Gln Asn
 370 375 380
 Leu Ile Arg Ser Ile Gln Ile Asn Ile Thr Arg Leu Ala Gly Thr Phe
 385 390 395 400
 Gly Asp Val Ala Val Gly Leu Arg Ile Ser Ser Asp His Lys Glu Gln
 405 410 415
 Pro Ile Val Thr Glu Asn Ala Glu Arg Gln Leu Val Val Lys Asp Gly
 420 425 430
 Ala Thr Tyr Lys Val Asp Val Val Pro Ile Lys Asn Gln Val Phe Leu
 435 440 445
 Ser Leu Gly Ser Asn Phe Thr Leu Gln Leu Val Thr Val Met Leu Val
 450 455 460
 Gly Gly Arg Phe Tyr Gly Met Pro Thr Ile Leu Gln Glu Ala Lys Ser
 465 470 475 480
 Ala Val Leu Pro Val Ser Glu Lys Ala Ala Asn Ser Gln Val Gly Phe
 485 490 495
 Glu Ser Thr Ala Phe Gln Leu Met Asn Ile Thr Ala Gly Thr Ser His
 500 505 510
 Val Met Ile Ser Arg Arg Gly Thr Tyr Gly Ala Leu Ser Val Ala Trp
 515 520 525
 Thr Thr Gly Tyr Ala Pro Gly Leu Glu Ile Pro Glu Phe Ile Val Val
 530 535 540
 Gly Asn Met Thr Pro Thr Leu Gly Ser Leu Ser Phe Ser His Gly Glu
 545 550 555 560

Gln Arg Lys Gly Val Phe Leu Trp Thr Phe Pro Ser Pro Gly Trp Pro
 565 570 575
 Glu Ala Phe Val Leu His Leu Ser Gly Val Gln Ser Ser Ala Pro Gly
 580 585 590
 Gly Ala Gln Leu Arg Ser Gly Phe Ile Val Ala Glu Ile Glu Pro Met
 595 600 605
 Gly Val Phe Gln Phe Ser Thr Ser Ser Arg Asn Ile Ile Val Ser Glu
 610 615 620
 Asp Thr Gln Met Ile Arg Leu His Val Gln Arg Leu Phe Gly Phe His
 625 630 635 640
 Ser Asp Leu Ile Lys Val Ser Tyr Gln Thr Thr Ala Gly Ser Ala Lys
 645 650 655
 Pro Leu Glu Asp Phe Glu Pro Val Gln Asn Gly Glu Leu Phe Phe Gln
 660 665 670
 Lys Phe Gln Thr Glu Val Asp Phe Glu Ile Thr Ile Ile Asn Asp Gln
 675 680 685
 Leu Ser Glu Ile Glu Glu Phe Phe Tyr Ile Asn Leu Thr Ser Val Glu
 690 695 700
 Ile Arg Gly Leu Gln Lys Phe Asp Val Asn Trp Ser Pro Arg Leu Asn
 705 710 715 720
 Leu Asp Phe Ser Val Ala Val Ile Thr Ile Leu Asp Asn Asp Asp Leu
 725 730 735
 Ala Gly Met Asp Ile Ser Phe Pro Glu Thr Thr Val Ala Val Ala Val
 740 745 750
 Asp Thr Thr Leu Ile Pro Val Glu Thr Glu Ser Thr Thr Tyr Leu Ser
 755 760 765
 Thr Ser Lys Thr Thr Thr Ile Leu Gln Pro Thr Asn Val Val Ala Ile
 770 775 780
 Val Thr Glu Ala Thr Gly Val Ser Ala Ile Pro Glu Lys Leu Val Thr
 785 790 795 800
 Leu His Gly Thr Pro Ala Val Ser Glu Lys Pro Asp Val Ala Thr Val
 805 810 815
 Thr Ala Asn Val Ser Ile His Gly Thr Phe Ser Leu Gly Pro Ser Ile
 820 825 830
 Val Tyr Ile Glu Glu Glu Met Lys Asn Gly Thr Phe Asn Thr Ala Glu
 835 840 845
 Val Leu Ile Arg Arg Thr Gly Gly Phe Thr Gly Asn Val Ser Ile Thr
 850 855 860
 Val Lys Thr Phe Gly Glu Arg Cys Ala Gln Met Glu Pro Asn Ala Leu
 865 870 875 880
 Pro Phe Arg Gly Ile Tyr Gly Ile Ser Asn Leu Thr Trp Ala Val Glu
 885 890 895
 Glu Glu Asp Phe Glu Glu Gln Thr Leu Thr Leu Ile Phe Leu Asp Gly
 900 905 910
 Glu Arg Glu Arg Lys Val Ser Val Gln Ile Leu Asp Asp Asp Glu Pro
 915 920 925
 Glu Gly Gln Glu Phe Phe Tyr Val Phe Leu Thr Asn Pro Gln Gly Gly
 930 935 940
 Ala Gln Ile Val Glu Gly Lys Asp Asp Thr Gly Phe Ala Ala Phe Ala
 945 950 955 960
 Met Val Ile Ile Thr Gly Ser Asp Leu His Asn Gly Ile Ile Gly Phe
 965 970 975
 Ser Glu Glu Ser Gln Ser Gly Leu Glu Leu Arg Glu Gly Ala Val Met
 980 985 990
 Arg Arg Leu His Leu Ile Val Thr Arg Gln Pro Asn Arg Ala Phe Glu
 995 1000 1005
 Asp Val Lys Val Phe Trp Arg Val Thr Leu Asn Lys Thr Val Val Val
 1010 1015 1020
 Leu Gln Lys Asp Gly Val Asn Leu Met Glu Glu Leu Gln Ser Val Ser
 1025 1030 1035 1040
 Gly Thr Thr Thr Cys Thr Met Gly Gln Thr Lys Cys Phe Ile Ser Ile
 1045 1050 1055
 Glu Leu Lys Pro Glu Lys Val Pro Gln Val Glu Val Tyr Phe Phe Val
 1060 1065 1070

Glu Leu Tyr Glu Ala Thr Ala Gly Ala Ala Ile Asn Asn Ser Ala Arg
 1075 1080 1085
 Phe Ala Gln Ile Lys Ile Leu Glu Ser Asp Glu Ser Gln Ser Leu Val
 1090 1095 1100
 Tyr Phe Ser Val Gly Ser Arg Leu Ala Val Ala His Lys Lys Ala Thr
 1105 1110 1115 1120
 Leu Ile Ser Leu Gln Val Ala Arg Asp Ser Gly Thr Gly Leu Met Met
 1125 1130 1135
 Ser Val Asn Phe Ser Thr Gln Glu Leu Arg Ser Ala Glu Thr Ile Gly
 1140 1145 1150
 Arg Thr Ile Ile Ser Pro Ala Ile Ser Gly Lys Asp Phe Val Ile Thr
 1155 1160 1165
 Glu Gly Thr Leu Val Phe Glu Pro Gly Gln Arg Ser Thr Val Leu Asp
 1170 1175 1180
 Val Ile Leu Thr Pro Glu Thr Gly Ser Leu Asn Ser Phe Pro Lys Arg
 1185 1190 1195 1200
 Phe Gln Ile Val Leu Phe Asp Pro Lys Gly Gly Ala Arg Ile Asp Lys
 1205 1210 1215
 Val Tyr Gly Thr Ala Asn Ile Thr Leu Val Ser Asp Ala Asp Ser Gln
 1220 1225 1230
 Ala Ile Trp Gly Leu Ala Asp Gln Leu His Gln Pro Val Asn Asp Asp
 1235 1240 1245
 Ile Leu Asn Arg Val Leu His Thr Ile Ser Met Lys Val Ala Thr Glu
 1250 1255 1260
 Asn Thr Asp Glu Gln Leu Ser Ala Met Met His Leu Ile Glu Lys Ile
 1265 1270 1275 1280
 Thr Thr Glu Gly Lys Ile Gln Ala Phe Ser Val Ala Ser Arg Thr Leu
 1285 1290 1295
 Phe Tyr Glu Ile Leu Cys Ser Leu Ile Asn Pro Lys Arg Lys Asp Thr
 1300 1305 1310
 Arg Gly Phe Ser His Phe Ala Glu Leu Thr Glu Asn Phe Ala Phe Ser
 1315 1320 1325
 Leu Leu Thr Asn Val Thr Cys Gly Ser Pro Gly Glu Lys Ser Lys Thr
 1330 1335 1340
 Ile Leu Asp Ser Cys Pro Tyr Leu Ser Ile Leu Ala Leu His Trp Tyr
 1345 1350 1355 1360
 Pro Gln Gln Ile Asn Gly His Lys Phe Glu Gly Lys Glu Gly Asp Tyr
 1365 1370 1375
 Ile Arg Ile Pro Glu Arg Leu Leu Asp Val Gln Asp Ala Glu Ile Met
 1380 1385 1390
 Ala Gly Lys Ser Thr Cys Lys Leu Val Gln Phe Thr Glu Tyr Ser Ser
 1395 1400 1405
 Gln Gln Trp Phe Ile Ser Gly Asn Asn Leu Pro Thr Leu Lys Asn Lys
 1410 1415 1420
 Val Leu Ser Leu Ser Val Lys Gly Gln Ser Ser Gln Leu Leu Thr Asn
 1425 1430 1435 1440
 Asp Asn Glu Val Leu Tyr Arg Ile Tyr Ala Ala Glu Pro Arg Ile Ile
 1445 1450 1455
 Pro Gln Thr Ser Leu Cys Leu Leu Trp Asn Gln Ala Ala Ser Trp
 1460 1465 1470
 Leu Ser Asp Ser Gln Phe Cys Lys Val Ile Glu Glu Thr Ala Asp Tyr
 1475 1480 1485
 Val Glu Cys Ala Cys Leu His Met Ser Val Tyr Ala Val Tyr Ala Arg
 1490 1495 1500
 Thr Asp Asn Leu Ser Ser Tyr Asn Glu Ala Phe Phe Thr Ser Gly Phe
 1505 1510 1515 1520
 Ile Cys Ile Ser Gly Leu Cys Leu Ala Val Leu Ser His Ile Phe Cys
 1525 1530 1535
 Ala Arg Tyr Ser Met Phe Ala Ala Lys Leu Leu Thr His Met Met Ala
 1540 1545 1550
 Ala Ser Leu Gly Thr Gln Ile Leu Phe Leu Ala Ser Ala Tyr Ala Ser
 1555 1560 1565
 Pro Gln Leu Ala Glu Glu Ser Cys Ser Ala Met Ala Ala Val Thr His
 1570 1575 1580

Tyr Leu Tyr Leu Cys Gln Phe Ser Trp Met Leu Ile Gln Ser Val Asn
 1585 1590 1595 1600
 Phe Trp Tyr Val Leu Val Met Asn Asp Glu His Thr Glu Arg Arg Tyr
 1605 1610 1615
 Leu Leu Phe Leu Leu Ser Trp Gly Leu Pro Ala Phe Val Val Ile
 1620 1625 1630
 Leu Leu Ile Val Ile Leu Lys Gly Ile Tyr His Gln Ser Met Ser Gln
 1635 1640 1645
 Ile Tyr Gly Leu Ile His Gly Asp Leu Cys Phe Ile Pro Asn Val Tyr
 1650 1655 1660
 Ala Ala Leu Phe Thr Ala Ala Leu Val Pro Leu Thr Cys Leu Val Val
 1665 1670 1675 1680
 Val Phe Val Val Phe Ile His Ala Tyr Gln Val Lys Pro Gln Trp Lys
 1685 1690 1695
 Ala Tyr Asp Asp Val Phe Arg Gly Arg Thr Asn Ala Ala Glu Ile Pro
 1700 1705 1710
 Leu Ile Leu Tyr Leu Phe Ala Leu Ile Ser Val Thr Trp Leu Trp Gly
 1715 1720 1725
 Gly Leu His Met Ala Tyr Arg His Phe Trp Met Leu Val Leu Phe Val
 1730 1735 1740
 Ile Phe Asn Ser Leu Gln Leu Leu Tyr Pro Leu Phe Tyr Phe Leu Leu
 1745 1750 1755 1760
 Leu Xaa Asp Gln Ser Ser Ser Ala Ser Pro Gly Gly Val Asp Tyr Ile
 1765 1770 1775
 Leu His Gly Ser Thr Val Thr Phe Gln His Gly Gln Asn Leu Ser Phe
 1780 1785 1790
 Ile Asn Ile Ser Ile Ile Asp Asp Asn Glu Ser Glu Phe Glu Glu Pro
 1795 1800 1805
 Ile Glu Ile Leu Leu Thr Gly Ala Thr Gly Gly Ala Val Leu Gly Arg
 1810 1815 1820
 His Leu Val Ser Arg Ile Ile Ile Ala Lys Ser Asp Ser Pro Phe Gly
 1825 1830 1835 1840
 Val Ile Arg Phe Leu Asn Gln Ser Lys Ile Ser Ile Ala Asn Pro Asn
 1845 1850 1855
 Ser Thr Met Ile Leu Ser Leu Val Leu Glu Arg Thr Gly Gly Leu Leu
 1860 1865 1870
 Gly Glu Ile Gln Val Asn Trp Glu Thr Val Gly Pro Asn Ser Gln Glu
 1875 1880 1885
 Ala Leu Leu Pro Gln Asn Arg Asp Ile Ala Asp Pro Val Ser Gly Leu
 1890 1895 1900
 Phe Tyr Phe Gly Glu Gly Gly Val Arg Thr Ile Ile Leu Thr
 1905 1910 1915 1920
 Ile Tyr Pro His Glu Glu Ile Glu Val Glu Glu Thr Phe Ile Ile Lys
 1925 1930 1935
 Leu His Leu Val Lys Gly Glu Ala Lys Leu Asp Ser Arg Ala Lys Asp
 1940 1945 1950
 Val Thr Leu Thr Ile Gln Glu Phe Gly Asp Pro Asn Gly Val Val Gln
 1955 1960 1965
 Phe Ala Pro Glu Thr Leu Ser Lys Lys Thr Tyr Ser Glu Pro Leu Ala
 1970 1975 1980
 Leu Glu Gly Pro Leu Leu Ile Thr Phe Phe Val Arg Arg Val Lys Gly
 1985 1990 1995 2000
 Thr Phe Gly Glu Ile Met Val Tyr Trp Glu Leu Ser Ser Glu Phe Asp
 2005 2010 2015
 Ile Thr Glu Asp Phe Leu Ser Thr Ser Gly Phe Phe Thr Ile Ala Asp
 2020 2025 2030
 Gly Glu Ser Glu Ala Ser Phe Asp Val His Leu Leu Pro Asp Glu Val
 2035 2040 2045
 Pro Glu Ile Glu Glu Asp Tyr Val Ile Gln Leu Val Ser Val Glu Gly
 2050 2055 2060
 Gly Ala Glu Leu Asp Leu Glu Lys Ser Ile Thr Trp Phe Ser Val Tyr
 2065 2070 2075 2080
 Ala Asn Asp Asp Pro His Gly Val Phe Ala Leu Tyr Ser Asp Arg Gln
 2085 2090 2095

Ser Ile Leu Ile Gly Gln Asn Leu Ile Arg Ser Ile Gln Ile Asn Ile
 2100 2105 2110
 Thr Arg Leu Ala Gly Thr Phe Gly Asp Val Ala Val Gly Leu Arg Ile
 2115 2120 2125
 Ser Ser Asp His Lys Glu Gln Pro Ile Val Thr Glu Asn Ala Glu Arg
 2130 2135 2140
 Gln Leu Val Val Lys Asp Gly Ala Thr Tyr Lys Val Asp Val Val Pro
 2145 2150 2155 2160
 Ile Lys Asn Gln Val Phe Leu Ser Leu Gly Ser Asn Phe Thr Leu Gln
 2165 2170 2175
 Leu Val Thr Val Met Leu Val Gly Gly Arg Phe Tyr Gly Met Pro Thr
 2180 2185 2190
 Ile Leu Gln Glu Ala Lys Ser Ala Val Leu Pro Val Ser Glu Lys Ala
 2195 2200 2205
 Ala Asn Ser Gln Val Gly Phe Glu Ser Thr Ala Phe Gln Leu Met Asn
 2210 2215 2220
 Ile Thr Ala Gly Thr Ser His Val Met Ile Ser Arg Arg Gly Thr Tyr
 2225 2230 2235 2240
 Gly Ala Leu Ser Val Ala Trp Thr Thr Gly Tyr Ala Pro Gly Leu Glu
 2245 2250 2255
 Ile Pro Glu Phe Ile Val Val Gly Asn Met Thr Pro Thr Leu Gly Ser
 2260 2265 2270
 Leu Ser Phe Ser His Gly Glu Gln Arg Lys Gly Val Phe Leu Trp Thr
 2275 2280 2285
 Phe Pro Ser Pro Gly Trp Pro Glu Ala Phe Val Leu His Leu Ser Gly
 2290 2295 2300
 Val Gln Ser Ser Ala Pro Gly Gly Ala Gln Leu Arg Ser Gly Phe Ile
 2305 2310 2315 2320
 Val Ala Glu Ile Glu Pro Met Gly Val Phe Gln Phe Ser Thr Ser Ser
 2325 2330 2335
 Arg Asn Ile Ile Val Ser Glu Asp Thr Gln Met Ile Arg Leu His Val
 2340 2345 2350
 Gln Arg Leu Phe Gly Phe His Ser Asp Leu Ile Lys Val Ser Tyr Gln
 2355 2360 2365
 Thr Thr Ala Gly Ser Ala Lys Pro Leu Glu Asp Phe Glu Pro Val Gln
 2370 2375 2380
 Asn Gly Glu Leu Phe Phe Gln Lys Phe Gln Thr Glu Val Asp Phe Glu
 2385 2390 2395 2400
 Ile Thr Ile Ile Asn Asp Gln Leu Ser Glu Ile Glu Glu Phe Phe Tyr
 2405 2410 2415
 Ile Asn Leu Thr Ser Val Glu Ile Arg Gly Leu Gln Lys Phe Asp Val
 2420 2425 2430
 Asn Trp Ser Pro Arg Leu Asn Leu Asp Phe Ser Val Ala Val Ile Thr
 2435 2440 2445
 Ile Leu Asp Asn Asp Asp Leu Ala Gly Met Asp Ile Ser Phe Pro Glu
 2450 2455 2460
 Thr Thr Val Ala Val Ala Val Asp Thr Thr Leu Ile Pro Val Glu Thr
 2465 2470 2475 2480
 Glu Ser Thr Thr Tyr Leu Ser Thr Ser Lys Thr Thr Ile Leu Gln
 2485 2490 2495
 Pro Thr Asn Val Val Ala Ile Val Thr Glu Ala Thr Gly Val Ser Ala
 2500 2505 2510
 Ile Pro Glu Lys Leu Val Thr Leu His Gly Thr Pro Ala Val Ser Glu
 2515 2520 2525
 Lys Pro Asp Val Ala Thr Val Thr Ala Asn Val Ser Ile His Gly Thr
 2530 2535 2540
 Phe Ser Leu Gly Pro Ser Ile Val Tyr Ile Glu Glu Glu Met Lys Asn
 2545 2550 2555 2560
 Gly Thr Phe Asn Thr Ala Glu Val Leu Ile Arg Arg Thr Gly Gly Phe
 2565 2570 2575
 Thr Gly Asn Val Ser Ile Thr Val Lys Thr Phe Gly Glu Arg Cys Ala
 2580 2585 2590
 Gln Met Glu Pro Asn Ala Leu Pro Phe Arg Gly Ile Tyr Gly Ile Ser
 2595 2600 2605

Asn Leu Thr Trp Ala Val Glu Glu Glu Asp Phe Glu Glu Gln Thr Leu
 2610 2615 2620
 Thr Leu Ile Phe Leu Asp Gly Glu Arg Glu Arg Lys Val Ser Val Gln
 2625 2630 2635 2640
 Ile Leu Asp Asp Asp Glu Pro Glu Gly Gln Glu Phe Phe Tyr Val Phe
 2645 2650 2655
 Leu Thr Asn Pro Gln Gly Gly Ala Gln Ile Val Glu Gly Lys Asp Asp
 2660 2665 2670
 Thr Gly Phe Ala Ala Phe Ala Met Val Ile Ile Thr Gly Ser Asp Leu
 2675 2680 2685
 His Asn Gly Ile Ile Gly Phe Ser Glu Glu Ser Gln Ser Gly Leu Glu
 2690 2695 2700
 Leu Arg Glu Gly Ala Val Met Arg Arg Leu His Leu Ile Val Thr Arg
 2705 2710 2715 2720
 Gln Pro Asn Arg Ala Phe Glu Asp Val Lys Val Phe Trp Arg Val Thr
 2725 2730 2735
 Leu Asn Lys Thr Val Val Val Leu Gln Lys Asp Gly Val Asn Leu Met
 2740 2745 2750
 Glu Glu Leu Gln Ser Val Ser Gly Thr Thr Cys Thr Met Gly Gln
 2755 2760 2765
 Thr Lys Cys Phe Ile Ser Ile Glu Leu Lys Pro Glu Lys Val Pro Gln
 2770 2775 2780
 Val Glu Val Tyr Phe Val Glu Leu Tyr Glu Ala Thr Ala Gly Ala
 2785 2790 2795 2800
 Ala Ile Asn Asn Ser Ala Arg Phe Ala Gln Ile Lys Ile Leu Glu Ser
 2805 2810 2815
 Asp Glu Ser Gln Ser Leu Val Tyr Phe Ser Val Gly Ser Arg Leu Ala
 2820 2825 2830
 Val Ala His Lys Lys Ala Thr Leu Ile Ser Leu Gln Val Ala Arg Asp
 2835 2840 2845
 Ser Gly Thr Gly Leu Met Met Ser Val Asn Phe Ser Thr Gln Glu Leu
 2850 2855 2860
 Arg Ser Ala Glu Thr Ile Gly Arg Thr Ile Ile Ser Pro Ala Ile Ser
 2865 2870 2875 2880
 Gly Lys Asp Phe Val Ile Thr Glu Gly Thr Leu Val Phe Glu Pro Gly
 2885 2890 2895
 Gln Arg Ser Thr Val Leu Asp Val Ile Leu Thr Pro Glu Thr Gly Ser
 2900 2905 2910
 Leu Asn Ser Phe Pro Lys Arg Phe Gln Ile Val Leu Phe Asp Pro Lys
 2915 2920 2925
 Gly Gly Ala Arg Ile Asp Lys Val Tyr Gly Thr Ala Asn Ile Thr Leu
 2930 2935 2940
 Val Ser Asp Ala Asp Ser Gln Ala Ile Trp Gly Leu Ala Asp Gln Leu
 2945 2950 2955 2960
 His Gln Pro Val Asn Asp Asp Ile Leu Asn Arg Val Leu His Thr Ile
 2965 2970 2975
 Ser Met Lys Val Ala Thr Glu Asn Thr Asp Glu Gln Leu Ser Ala Met
 2980 2985 2990
 Met His Leu Ile Glu Lys Ile Thr Thr Glu Gly Lys Ile Gln Ala Phe
 2995 3000 3005
 Ser Val Ala Ser Arg Thr Leu Phe Tyr Glu Ile Leu Cys Ser Leu Ile
 3010 3015 3020
 Asn Pro Lys Arg Lys Asp Thr Arg Gly Phe Ser His Phe Ala Glu Leu
 3025 3030 3035 3040
 Thr Glu Asn Phe Ala Phe Ser Leu Leu Thr Asn Val Thr Cys Gly Ser
 3045 3050 3055
 Pro Gly Glu Lys Ser Lys Thr Ile Leu Asp Ser Cys Pro Tyr Leu Ser
 3060 3065 3070
 Ile Leu Ala Leu His Trp Tyr Pro Gln Gln Ile Asn Gly His Lys Phe
 3075 3080 3085
 Glu Gly Lys Glu Gly Asp Tyr Ile Arg Ile Pro Glu Arg Leu Leu Asp
 3090 3095 3100
 Val Gln Asp Ala Glu Ile Met Ala Gly Lys Ser Thr Cys Lys Leu Val
 3105 3110 3115 3120

Gln Phe Thr Glu Tyr Ser Ser Gln Gln Trp Phe Ile Ser Gly Asn Asn
 3125 3130 3135
 Leu Pro Thr Leu Lys Asn Lys Val Leu Ser Leu Ser Val Lys Gly Gln
 3140 3145 3150
 Ser Ser Gln Leu Leu Thr Asn Asp Asn Glu Val Leu Tyr Arg Ile Tyr
 3155 3160 3165
 Ala Ala Glu Pro Arg Ile Ile Pro Gln Thr Ser Leu Cys Leu Leu Trp
 3170 3175 3180
 Asn Gln Ala Ala Ala Ser Trp Leu Ser Asp Ser Gln Phe Cys Lys Val
 3185 3190 3195 3200
 Ile Glu Glu Thr Ala Asp Tyr Val Glu Cys Ala Cys Leu His Met Ser
 3205 3210 3215
 Val Tyr Ala Val Tyr Ala Arg Thr Asp Asn Leu Ser Ser Tyr Asn Glu
 3220 3225 3230
 Ala Phe Phe Thr Ser Gly Phe Ile Cys Ile Ser Gly Leu Cys Leu Ala
 3235 3240 3245
 Val Leu Ser His Ile Phe Cys Ala Arg Tyr Ser Met Phe Ala Ala Lys
 3250 3255 3260
 Leu Leu Thr His Met Met Ala Ala Ser Leu Gly Thr Gln Ile Leu Phe
 3265 3270 3275 3280
 Leu Ala Ser Ala Tyr Ala Ser Pro Gln Leu Ala Glu Glu Ser Cys Ser
 3285 3290 3295
 Ala Met Ala Ala Val Thr His Tyr Leu Tyr Leu Cys Gln Phe Ser Trp
 3300 3305 3310
 Met Leu Ile Gln Ser Val Asn Phe Trp Tyr Val Leu Val Met Asn Asp
 3315 3320 3325
 Glu His Thr Glu Arg Arg Tyr Leu Leu Phe Phe Leu Leu Ser Trp Gly
 3330 3335 3340
 Leu Pro Ala Phe Val Val Ile Leu Leu Ile Val Ile Leu Lys Gly Ile
 3345 3350 3355 3360
 Tyr His Gln Ser Met Ser Gln Ile Tyr Gly Leu Ile His Gly Asp Leu
 3365 3370 3375
 Cys Phe Ile Pro Asn Val Tyr Ala Ala Leu Phe Thr Ala Ala Leu Val
 3380 3385 3390
 Pro Leu Thr Cys Leu Val Val Phe Val Val Phe Ile His Ala Tyr
 3395 3400 3405
 Gln Val Lys Pro Gln Trp Lys Ala Tyr Asp Asp Val Phe Arg Gly Arg
 3410 3415 3420
 Thr Asn Ala Ala Glu Ile Pro Leu Ile Leu Tyr Leu Phe Ala Leu Ile
 3425 3430 3435 3440
 Ser Val Thr Trp Leu Trp Gly Gly Leu His Met Ala Tyr Arg His Phe
 3445 3450 3455
 Trp Met Leu Val Leu Phe Val Ile Phe Asn Ser Leu Gln Leu Leu Val
 3460 3465 3470
 Pro Ser Val Leu Leu Phe Thr Ser Met Arg Ser Thr Phe Phe Ser Phe
 3475 3480 3485
 His Thr Gly Thr Leu Thr Ser Arg Glu Lys Lys Ser Thr Phe Val Leu
 3490 3495 3500
 Thr Cys Leu Leu Ser Pro Asp Ser Lys Gly Leu Gly Val Leu Cys Phe
 3505 3510 3515 3520
 Leu Asn Thr Glu Trp Ala Phe Gln Val His
 3525 3530

<210> 1102
 <211> 945
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(945)
 <223> X = any amino acid or stop code

<400> 1102

Ala Ala Gly Ala Thr Met Glu Arg Asp Gly Cys Ala Gly Gly Ser
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 Arg Gly Gly Glu Gly Gly Arg Ala Pro Arg Glu Gly Pro Ala Gly Asn
 20 25 30
 Gly Arg Asp Arg Gly Arg Ser His Ala Ala Glu Ala Pro Gly Asp Pro
 35 40 45
 Gln Ala Ala Ala Ser Leu Leu Ala Pro Met Asp Val Gly Glu Glu Pro
 50 55 60
 Leu Glu Lys Ala Ala Arg Ala Arg Thr Ala Lys Asp Pro Asn Thr Tyr
 65 70 75 80
 Lys Val Leu Ser Leu Val Leu Ser Val Cys Val Leu Thr Thr Ile Leu
 85 90 95
 Gly Cys Ile Phe Gly Leu Lys Pro Ser Cys Ala Lys Glu Val Lys Ser
 100 105 110
 Cys Lys Gly Arg Cys Phe Glu Arg Thr Phe Gly Asn Cys Arg Cys Asp
 115 120 125
 Ala Ala Cys Val Glu Leu Gly Asn Cys Cys Leu Gly Leu Pro Gly Gly
 130 135 140
 Thr Cys Ile Glu Pro Glu His Ile Trp Thr Cys Asn Lys Phe Arg Cys
 145 150 155 160
 Gly Glu Lys Arg Leu Thr Arg Ser Leu Cys Ala Cys Ser Asp Asp Cys
 165 170 175
 Lys Asp Arg Gly Asp Cys Leu Pro Ser Asn Leu Gln Phe Leu Cys Val
 180 185 190
 Gln Gly Glu Lys Ser Trp Gly Arg Lys Asn Pro Cys Glu Ser His Leu
 195 200 205
 Met Glu Pro Gln Cys Pro Ala Gly Phe Glu Thr Pro Ser Leu Pro Leu
 210 215 220
 Leu Ile Phe Ser Leu Asp Gly Phe Arg Ala Glu Tyr Leu His Thr Trp
 225 230 235 240
 Gly Gly Leu Leu Pro Val Ile Ser Lys Leu Lys Lys Cys Gly Thr Tyr
 245 250 255
 Thr Lys Asn Met Arg Pro Val Tyr Pro Thr Lys Thr Phe Pro Asn His
 260 265 270
 Tyr Ser Ile Val Thr Gly Leu Tyr Pro Glu Ser His Gly Ile Ile Asn
 275 280 285
 Asn Lys Met Tyr Asp Pro Lys Met Asn Ala Ser Phe Ser Leu Lys Ser
 290 295 300
 Lys Glu Lys Phe Asn Pro Glu Trp Tyr Lys Gly Glu Pro Ile Trp Val
 305 310 315 320
 Thr Ala Lys Tyr Gln Gly Leu Lys Ser Gly Thr Phe Phe Trp Pro Gly
 325 330 335
 Ser Asp Val Glu Ile Asn Gly Ile Phe Pro Asp Ile Tyr Lys Met Tyr
 340 345 350
 Asn Gly Ser Val Pro Phe Glu Glu Arg Ile Leu Ala Val Leu Gln Trp
 355 360 365
 Leu Gln Leu Pro Lys Asp Glu Arg Pro His Phe Tyr Thr Leu Tyr Leu
 370 375 380
 Glu Glu Pro Asp Ser Ser Gly His Ser Tyr Gly Pro Val Ser Ser Glu
 385 390 395 400
 Val Ile Lys Ala Leu Gln Arg Val Asp Gly Met Val Gly Met Leu Met
 405 410 415
 Asp Gly Leu Lys Glu Leu Asn Leu His Arg Cys Leu Asn Leu Ile Leu
 420 425 430
 Ile Ser Asp His Gly Met Glu Gln Gly Ser Cys Lys Tyr Ile Tyr
 435 440 445
 Leu Asn Lys Tyr Leu Gly Asp Val Lys Asn Ile Lys Val Ile Tyr Gly
 450 455 460
 Pro Ala Ala Arg Leu Arg Pro Ser Asp Val Pro Asp Lys Tyr Tyr Ser

465	470	475	480
Phe Asn Tyr Glu Gly Ile Ala Arg Asn Leu Ser Cys Arg Glu Pro Asn			
485	490	495	
Gln His Phe Lys Pro Tyr Leu Lys His Phe Leu Pro Lys Arg Leu His			
500	505	510	
Phe Ala Lys Ser Asp Arg Ile Glu Pro Leu Thr Phe Tyr Leu Asp Pro			
515	520	525	
Gln Trp Gln Leu Ala Leu Asn Pro Ser Glu Arg Lys Tyr Cys Gly Ser			
530	535	540	
Gly Phe His Gly Ser Asp Asn Val Phe Ser Asn Met Gln Ala Leu Phe			
545	550	555	560
Val Gly Tyr Gly Pro Gly Phe Lys His Gly Ile Glu Ala Asp Thr Phe			
565	570	575	
Glu Asn Ile Glu Val Tyr Asn Leu Met Cys Asp Leu Leu Asn Leu Thr			
580	585	590	
Pro Ala Pro Asn Asn Gly Thr His Gly Ser Leu Asn His Leu Leu Lys			
595	600	605	
Asn Pro Val Tyr Thr Pro Lys His Pro Lys Glu Val His Pro Leu Val			
610	615	620	
Gln Cys Pro Phe Thr Arg Asn Pro Arg Asp Asn Leu Gly Cys Ser Cys			
625	630	635	640
Asn Pro Ser Ile Leu Pro Ile Glu Asp Phe Gln Thr Gln Phe Asn Leu			
645	650	655	
Thr Val Ala Glu Glu Lys Ile Ile Lys His Glu Thr Leu Pro Tyr Gly			
660	665	670	
Arg Pro Arg Val Leu Gln Lys Glu Asn Thr Ile Cys Leu Leu Ser Gln			
675	680	685	
His Gln Phe Met Ser Gly Tyr Ser Gln Asp Ile Leu Met Pro Leu Trp			
690	695	700	
Thr Ser Tyr Thr Val Asp Arg Asn Asp Ser Phe Ser Thr Glu Asp Phe			
705	710	715	720
Ser Asn Cys Leu Tyr Gln Asp Phe Arg Ile Pro Leu Ser Pro Val His			
725	730	735	
Lys Cys Ser Phe Tyr Lys Asn Asn Thr Lys Val Ser Tyr Gly Phe Leu			
740	745	750	
Ser Pro Pro Gln Leu Asn Lys Asn Ser Ser Gly Ile Tyr Ser Glu Ala			
755	760	765	
Leu Leu Thr Thr Asn Ile Val Pro Met Tyr Gln Ser Phe Gln Val Ile			
770	775	780	
Trp Arg Tyr Phe His Asp Thr Leu Leu Arg Lys Tyr Ala Glu Glu Arg			
785	790	795	800
Asn Gly Val Asn Val Val Ser Gly Pro Val Phe Asp Phe Asp Tyr Asp			
805	810	815	
Gly Arg Cys Asp Ser Leu Glu Asn Leu Arg Gln Lys Arg Arg Val His			
820	825	830	
Pro Val Thr Gln Glu Asn Phe Trp Ile Pro Asn Ser Thr Ser Phe Tyr			
835	840	845	
Val Val Leu Thr Ser Cys Lys Asp Thr Ser Gln Thr Pro Leu His Cys			
850	855	860	
Glu Asn Leu Asp Thr Leu Gly Phe Pro Phe Cys Leu His Arg Asp Trp			
865	870	875	880
Ile Asn Ser Glu Thr Cys Val His Gly Lys His Asp Ser Ser Trp Val			
885	890	895	
Glu Glu Phe Val Lys Cys Leu His Arg Ala Arg Ile Thr Gly Cys Xaa			
900	905	910	
Gly Thr Ser Leu Gly Leu Ser Phe Tyr Gln Gln Arg Lys Glu Pro Val			
915	920	925	
Ser Asp Ile Leu Lys Leu Lys Thr His Leu Pro Thr Phe Ser Gln Glu			
930	935	940	
Asp			
945			

<211> 217
<212>Amino acid
<213> Homo sapiens

<400> 1103

Thr	Val	Pro	Pro	Pro	Pro	Gly	Gly	Pro	Ser	Pro	Ala	Pro	Leu	His	Pro
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Lys	Arg	Ser	Pro	Thr	Ser	Thr	Gly	Glu	Ala	Glu	Leu	Lys	Glu	Glu	Arg
					20										30
Leu	Pro	Gly	Arg	Lys	Ala	Ser	Cys	Ser	Thr	Ala	Gly	Ser	Gly	Ser	Arg
					35										45
Gly	Leu	Pro	Pro	Leu	Ser	Pro	Met	Val	Ser	Ser	Ala	His	Asn	Pro	Asn
							50								55
Lys	Ala	Glu	Ile	Pro	Glu	Arg	Arg	Lys	Asp	Ser	Thr	Ser	Thr	Pro	Asn
							65								70
Asn	Leu	Pro	Pro	Ser	Met	Met	Thr	Arg	Arg	Asn	Thr	Tyr	Val	Cys	Thr
							85								90
Glu	Arg	Pro	Gly	Ala	Glu	Arg	Pro	Ser	Leu	Leu	Pro	Asn	Gly	Lys	Glu
					100										105
Asn	Ser	Ser	Gly	Thr	Pro	Arg	Val	Pro	Pro	Ala	Ser	Pro	Ser	Ser	His
					115										120
Ser	Leu	Ala	Pro	Pro	Ser	Gly	Glu	Arg	Ser	Arg	Leu	Ala	Arg	Gly	Ser
					130										135
Thr	Ile	Arg	Ser	Thr	Phe	His	Gly	Gly	Gln	Val	Arg	Asp	Arg	Arg	Ala
					145										150
Gly	Gly	Trp	Gly	Trp	Phe	Phe	Asn	Lys	His	Ala	Leu	Gln	Arg	Ala	Pro
					165										170
Arg	Asn	Ala	Gly	Ala	Pro	Ser	Leu	Met	Pro	Gly	His	Arg	Thr	Val	Leu
					180										185
Ile	Asn	Tyr	Gly	Gly	Gly	Gln	Asp	Leu	Lys	Asn	Trp	Glu	Thr	Cys	Leu
					195										200
Ala	Ala	Pro	Pro	Asn	Lys	His	Arg	Arg							
					210										215
															217

<210> 1104
<211> 436
<212>Amino acid
<213> Homo sapiens

<400> 1104

His	Thr	Leu	His	His	Ser	Ser	Pro	Thr	Ser	Glu	Ala	Glu	Glu	Phe	Val
1					5										15
Ser	Arg	Leu	Ser	Thr	Gln	Asn	Tyr	Phe	Arg	Ser	Leu	Pro	Arg	Gly	Thr
					20										30
Ser	Asn	Met	Thr	Tyr	Gly	Thr	Phe	Asn	Phe	Leu	Gly	Gly	Arg	Leu	Met
					35										45
Ile	Pro	Asn	Thr	Gly	Ile	Ser	Leu	Leu	Ile	Pro	Pro	Asp	Ala	Ile	Pro
					50										55
Arg	Gly	Lys	Ile	Tyr	Glu	Ile	Tyr	Leu	Thr	Leu	His	Lys	Pro	Glu	Asp
					65										70
Val	Arg	Leu	Pro	Leu	Ala	Gly	Cys	Gln	Thr	Leu	Leu	Ser	Pro	Ile	Val
					85										90
Ser	Cys	Gly	Pro	Pro	Gly	Val	Leu	Leu	Thr	Arg	Pro	Val	Ile	Leu	Gly
					100										105
Met	Asp	His	Cys	Gly	Glu	Pro	Ser	Pro	Asp	Ser	Trp	Ser	Leu	Arg	Leu

	115	120	125
Lys Lys Gln Ser Cys Glu Gly Ser Trp Glu Asp Val		Leu His Leu Gly	
130	135	140	
Glu Glu Ala Pro Ser His Leu Tyr Tyr Cys Gln		Leu Glu Ala Ser Ala	
145	150	155	160
Cys Tyr Val Phe Thr Glu Gln Leu Ser Arg Tyr Ala		Leu Val Gly Glu	
165	170	175	
Ala Leu Ser Val Ala Ala Lys Arg Leu Lys Leu Leu		Phe Ala	
180	185	190	
Pro Val Ala Cys Thr Ser Leu Glu Tyr Asn Ile Leu		Val Tyr Cys Leu	
195	200	205	
His Asp Thr His Asp Ala Leu Asn Val Val Val		Gln Leu Glu Lys Gln	
210	215	220	
Leu Gln Gly Gln Leu Ile Gln Glu Pro Leu Val		Leu His Phe Lys Asp	
225	230	235	240
Ser Tyr His Asn Leu Arg Leu Ser Ile His Asp Val		Pro Ser Ser Leu	
245	250	255	
Trp Lys Ser Lys Leu Leu Val Ser Tyr Gln Glu Ile		Pro Phe Tyr His	
260	265	270	
Ile Trp Asn Gly Thr Gln Arg Tyr Leu His Cys Thr		Phe Thr Leu Glu	
275	280	285	
Arg Val Ser Pro Ser Thr Ser Asp Leu Ala Cys		Lys Leu Trp Val Trp	
290	295	300	
Gln Val Glu Gly Asp Gly Gln Ser Phe Ser Ile		Asn Phe Asn Ile Thr	
305	310	315	320
Lys Asp Thr Arg Phe Ala Glu Leu Leu Ala		Leu Glu Ser Glu Ala Gly	
325	330	335	
Val Pro Ala Leu Val Gly Pro Ser Ala Phe Lys		Ile Pro Phe Leu Ile	
340	345	350	
Arg Gln Lys Ile Ile Ser Ser Leu Asp Pro Pro		Cys Arg Arg Gly Ala	
355	360	365	
Asp Trp Arg Thr Leu Ala Gln Lys Leu His Leu		Asp Ser His Leu Ser	
370	375	380	
Phe Phe Ala Ser Lys Pro Ser Pro Thr Ala Met		Ile Leu Asn Leu Trp	
385	390	395	400
Glu Ala Arg His Phe Pro Asn Gly Asn Leu Ser		Gln Leu Ala Ala Ala	
405	410	415	
Val Ala Gly Thr Gly Pro Ala Gly Arg Trp Leu Leu		Ser Gln Cys Ser	
420	425	430	
Glu Ala Glu Cys			
435	436		

<210> 1105
 <211> 113
 <212>Amino acid
 <213> Homo sapiens

	<400> 1105		
Gly Ser Ala Ala Gly Gln Val Gln Gln Gln Gln		Arg Arg His Gln	
1	5	10	15
Gln Gly Lys Val Thr Val Lys Tyr Asp Arg Lys		Glu Leu Arg Lys Arg	
20	25	30	
Leu Val Leu Glu Glu Trp Ile Val Glu Gln Leu		Gly Gln Leu Tyr Gly	
35	40	45	
Cys Glu Glu Glu Glu Met Pro Glu Val Glu Ile		Asp Ile Asp Asp Leu	
50	55	60	
Phe Asp Ala Tyr Ser Asp Glu Gln Arg Ala Ser		Lys Leu Gln Glu Ala	
65	70	75	80
Leu Val Asp Cys Tyr Lys Pro Thr Glu Glu Phe		Ile Lys Glu Leu Leu	

85	90	95
Ser Arg Ile Arg Gly Met Arg Lys Leu Ser Pro Pro Gln Lys Lys Ser		
100	105	110
Val		
113		

<210> 1106
 <211> 464
 <212>Amino acid
 <213> Homo sapiens

<400> 1106
 Ile Met Leu Asp Gly Arg Val Arg Trp Leu Thr Pro Val Ile Ser Ala
 1 5 10 15
 Leu Trp Glu Ala Glu Met Glu Asp Val Ile Ala Arg Met Gln Asp Glu
 20 25 30
 Lys Asn Gly Ile Pro Ile Arg Thr Val Lys Ser Phe Leu Ser Lys Ile
 35 40 45
 Pro Ser Val Phe Ser Gly Ser Asp Ile Val Gln Trp Leu Ile Lys Asn
 50 55 60
 Leu Thr Ile Glu Asp Pro Val Glu Ala Leu His Leu Gly Thr Leu Met
 65 70 75 80
 Ala Ala His Gly Tyr Phe Phe Pro Ile Ser Asp His Val Leu Thr Leu
 85 90 95
 Lys Asp Asp Gly Thr Phe Tyr Arg Phe Gln Thr Pro Tyr Phe Trp Pro
 100 105 110
 Ser Asn Cys Trp Glu Pro Glu Asn Thr Asp Tyr Ala Val Tyr Leu Cys
 115 120 125
 Lys Arg Thr Met Gln Asn Lys Ala Arg Leu Glu Leu Ala Asp Tyr Glu
 130 135 140
 Ala Glu Ser Leu Ala Arg Leu Gln Arg Ala Phe Ala Arg Lys Trp Glu
 145 150 155 160
 Phe Ile Phe Met Gln Ala Glu Ala Gln Ala Lys Val Asp Lys Lys Arg
 165 170 175
 Asp Lys Ile Glu Arg Lys Ile Leu Asp Ser Gln Glu Arg Ala Phe Trp
 180 185 190
 Asp Val His Arg Pro Val Pro Gly Cys Val Asn Thr Thr Glu Val Asp
 195 200 205
 Ile Lys Lys Ser Ser Arg Met Arg Asn Pro His Lys Thr Arg Lys Ser
 210 215 220
 Val Tyr Gly Leu Gln Asn Asp Ile Arg Ser His Ser Pro Thr His Thr
 225 230 235 240
 Pro Thr Pro Glu Thr Lys Pro Pro Thr Glu Asp Glu Leu Gln Gln Gln
 245 250 255
 Ile Lys Tyr Trp Gln Ile Gln Leu Asp Arg His Arg Leu Lys Met Ser
 260 265 270
 Lys Val Ala Asp Ser Leu Leu Ser Tyr Thr Glu Gln Tyr Leu Glu Tyr
 275 280 285
 Asp Pro Phe Leu Leu Pro Pro Asp Pro Ser Asn Pro Trp Leu Ser Asp
 290 295 300
 Asp Thr Thr Phe Trp Glu Leu Glu Ala Ser Lys Glu Pro Ser Gln Gln
 305 310 315 320
 Arg Val Lys Arg Trp Gly Phe Gly Met Asp Glu Ala Leu Lys Asp Pro
 325 330 335
 Val Gly Arg Glu Gln Phe Leu Lys Phe Leu Glu Ser Glu Phe Ser Ser
 340 345 350
 Glu Asn Leu Arg Phe Trp Leu Ala Val Glu Asp Leu Lys Lys Arg Pro
 355 360 365
 Ile Lys Glu Val Pro Ser Arg Val Gln Glu Ile Trp Gln Glu Phe Leu

370	375	380
Ala Pro Gly Ala Pro Ser Ala Ile Asn Leu Asp Ser Lys Ser Tyr Asp		
385	390	395
Lys Thr Thr Gln Asn Val Lys Glu Pro Gly Arg Tyr Thr Phe Glu Asp		
405	410	415
Ala Gln Glu His Ile Tyr Lys Leu Met Lys Ser Asp Ser Tyr Pro Arg		
420	425	430
Phe Ile Arg Ser Ser Ala Tyr Gln Glu Leu Leu Gln Ala Lys Lys Lys		
435	440	445
Gly Lys Ser Leu Thr Ser Lys Arg Leu Thr Ser Leu Ala Gln Ser Tyr		
450	455	460
		464

<210> 1107

<211> 153

<212>Amino acid

<213> Homo sapiens

<400> 1107

Gly Thr Arg Asp Tyr Pro Arg Ile Val Asn His Leu Asp His Thr Tyr		
1	5	10
Val Thr Ala Pro Gln Ala Phe Met Met Phe Gln Tyr Phe Val Lys Val		
20	25	30
Val Pro Thr Val Tyr Met Lys Val Asp Gly Glu Val Leu Thr Thr Asn		
35	40	45
Gln Ile Tyr Val Thr Arg His Glu Lys Ala Ala Tyr Val Leu Met Gly		
50	55	60
Asp Gln Gly Leu Pro Gly Val Phe Ile Leu Tyr Glu Leu Ser Pro Met		
65	70	75
Met Val Asn Leu Thr Glu Ile His Thr Phe Phe Ser Leu Phe Leu Thr		
85	90	95
Ile Val Gly Ala Thr Ile Gly Gly Met Phe Phe Glu His Phe Val Ile		
100	105	110
Asn Tyr Leu Thr His Lys Trp Gly Leu Gly Phe Tyr Phe Lys Asn Glu		
115	120	125
Asn Ser Leu Gln Gly Gly His Arg Thr Leu Tyr Gly Val Asn Phe Phe		
130	135	140
Met Tyr Trp Ser Leu Arg Gly Gly Ser		
145	150	153

<210> 1108

<211> 506

<212>Amino acid

<213> Homo sapiens

<400> 1108

Ser Val Trp Trp Asn Ser Gln Arg Gln Phe Val Val Arg Ala Trp Gly		
1	5	10
Cys Ala Gly Pro Cys Gly Arg Ala Val Phe Leu Ala Phe Gly Leu Gly		
20	25	30
Leu Gly Leu Ile Glu Glu Lys Gln Ala Glu Ser Arg Arg Ala Val Ser		
35	40	45
Ala Cys Gln Glu Ile Gln Ala Ile Phe Thr Gln Lys Ser Lys Pro Gly		

50	55	60
Pro Asp Pro Leu Asp Thr Arg Arg Leu Gln Gly Phe Arg Leu Glu Glu		
65	70	75
Tyr Leu Ile Gly Gln Ser Ile Gly Lys Gly Cys Ser Ala Ala Val Tyr		80
85	90	95
Glu Ala Thr Met Pro Thr Leu Pro Gln Asn Leu Glu Val Thr Lys Ser		
100	105	110
Thr Gly Leu Leu Pro Gly Arg Gly Pro Gly Thr Ser Ala Pro Gly Glu		
115	120	125
Gly Gln Glu Arg Ala Pro Gly Ala Pro Ala Phe Pro Leu Ala Ile Lys		
130	135	140
Met Met Trp Asn Ile Ser Ala Gly Ser Ser Ser Glu Ala Ile Leu Asn		
145	150	155
Thr Met Ser Gln Glu Leu Val Pro Ala Ser Arg Val Ala Leu Ala Gly		160
165	170	175
Glu Tyr Gly Ala Val Thr Tyr Arg Lys Ser Lys Arg Gly Pro Lys Gln		
180	185	190
Leu Ala Pro His Pro Asn Ile Ile Arg Val Leu Arg Ala Phe Thr Ser		
195	200	205
Ser Val Pro Leu Leu Pro Gly Ala Leu Val Asp Tyr Pro Asp Val Leu		
210	215	220
Pro Ser Arg Leu His Pro Glu Gly Leu Gly His Gly Arg Thr Leu Phe		
225	230	235
Leu Val Met Lys Asn Tyr Pro Cys Thr Leu Arg Gln Tyr Leu Cys Val		240
245	250	255
Asn Thr Pro Ser Pro Arg Leu Ala Ala Met Met Leu Leu Gln Leu Leu		
260	265	270
Glu Gly Val Asp His Leu Val Gln Gln Gly Ile Ala His Arg Asp Leu		
275	280	285
Lys Ser Asp Asn Ile Leu Val Glu Leu Asp Pro Asp Gly Cys Pro Trp		
290	295	300
Leu Val Ile Ala Asp Phe Gly Cys Cys Leu Ala Asp Glu Ser Ile Gly		
305	310	315
Leu Gln Leu Pro Phe Ser Ser Trp Tyr Val Asp Arg Gly Gly Asn Gly		320
325	330	335
Cys Leu Met Ala Pro Glu Val Ser Thr Ala Arg Pro Gly Pro Arg Ala		
340	345	350
Val Ile Asp Tyr Ser Lys Ala Asp Ala Trp Ala Val Gly Ala Ile Ala		
355	360	365
Tyr Glu Ile Phe Gly Leu Val Asn Pro Phe Tyr Gly Gln Gly Lys Ala		
370	375	380
His Leu Glu Ser Arg Ser Tyr Gln Glu Ala Gln Leu Pro Ala Leu Pro		
385	390	395
Glu Ser Val Pro Pro Asp Val Arg Gln Leu Val Arg Ala Leu Leu Gln		400
405	410	415
Arg Glu Ala Ser Lys Arg Pro Ser Ala Arg Val Ala Ala Asn Val Leu		
420	425	430
His Leu Ser Leu Trp Gly Glu His Ile Leu Ala Leu Lys Asn Leu Lys		
435	440	445
Leu Asp Lys Met Val Gly Trp Leu Leu Gln Gln Ser Ala Ala Thr Leu		
450	455	460
Leu Ala Asn Arg Leu Thr Glu Lys Cys Cys Val Glu Thr Lys Met Lys		
465	470	475
Met Leu Phe Leu Ala Asn Leu Glu Cys Glu Thr Leu Cys Gln Ala Ala		480
485	490	495
Leu Leu Leu Cys Ser Trp Arg Ala Ala Leu		
500	505	506

<210> 1109

<211> 382

<212>Amino acid

<213> Homo sapiens

<400> 1109

Arg Pro Leu Leu Arg Leu Ala Glu Leu Pro Asp His Cys Tyr Arg Met
 1 5 10 15
 Asn Ser Ser Pro Ala Gly Thr Pro Ser Pro Gln Pro Ser Arg Ala Asn
 20 25 30
 Gly Asn Ile Asn Leu Gly Pro Ser Ala Asn Pro Asn Ala Gln Pro Thr
 35 40 45
 Asp Phe Asp Phe Leu Lys Val Ile Gly Lys Gly Asn Tyr Gly Lys Val
 50 55 60
 Leu Leu Ala Lys Arg Lys Ser Asp Gly Ala Phe Tyr Ala Val Lys Val
 65 70 75 80
 Leu Gln Lys Lys Ser Ile Leu Lys Lys Lys Glu Gln Ser His Ile Met
 85 90 95
 Ala Glu Arg Ser Val Leu Leu Lys Asn Val Arg His Pro Phe Leu Val
 100 105 110
 Gly Leu Arg Tyr Ser Phe Gln Thr Pro Glu Lys Leu Tyr Phe Val Leu
 115 120 125
 Asp Tyr Val Asn Gly Gly Glu Leu Phe Phe His Leu Gln Arg Glu Arg
 130 135 140
 Arg Phe Leu Glu Pro Arg Ala Arg Phe Tyr Ala Ala Glu Val Ala Ser
 145 150 155 160
 Ala Ile Gly Tyr Leu His Ser Leu Asn Ile Ile Tyr Arg Asp Leu Lys
 165 170 175
 Pro Glu Asn Ile Leu Leu Asp Cys Gln Gly His Val Val Leu Thr Asp
 180 185 190
 Phe Gly Leu Cys Lys Glu Gly Val Glu Pro Glu Asp Thr Thr Ser Thr
 195 200 205
 Phe Cys Gly Thr Pro Glu Tyr Leu Ala Pro Glu Val Leu Arg Lys Glu
 210 215 220
 Pro Tyr Asp Arg Ala Val Asp Trp Trp Cys Leu Gly Ala Val Leu Tyr
 225 230 235 240
 Glu Met Leu His Gly Leu Pro Pro Phe Tyr Ser Gln Asp Val Ser Gln
 245 250 255
 Met Tyr Glu Asn Ile Leu His Gln Pro Leu Gln Ile Pro Gly Gly Arg
 260 265 270
 Thr Val Ala Ala Cys Asp Leu Leu Gln Ser Leu Leu His Lys Asp Gln
 275 280 285
 Arg Gln Arg Leu Gly Ser Lys Ala Asp Phe Leu Glu Ile Lys Asn His
 290 295 300
 Val Phe Phe Ser Pro Ile Asn Trp Asp Asp Leu Tyr His Lys Arg Leu
 305 310 315 320
 Thr Pro Pro Phe Asn Pro Asn Val Thr Gly Pro Ala Asp Leu Lys His
 325 330 335
 Phe Asp Pro Glu Phe Thr Gln Glu Ala Val Ser Lys Ser Ile Gly Cys
 340 345 350
 Thr Pro Asp Thr Val Ala Ser Ser Ser Gly Ala Ser Ser Ala Phe Leu
 355 360 365
 Gly Phe Ser Tyr Ala Pro Glu Asp Asp Asp Ile Leu Asp Cys
 370 375 380 382

<210> 1110

<211> 535

<212>Amino acid

<213> Homo sapiens

<400> 1110

Arg Pro Gln Thr Leu Lys Gly His Gln Glu Lys Ile Arg Gln Arg Gln
 1 5 10 15
 Ser Ile Leu Pro Pro Pro Gln Gly Pro Ala Pro Ile Pro Phe Gln His
 20 25 30
 Arg Gly Gly Asp Ser Pro Glu Ala Lys Asn Arg Val Gly Pro Gln Val
 35 40 45
 Pro Leu Ser Glu Pro Gly Phe Arg Arg Arg Glu Ser Gln Glu Glu Pro
 50 55 60
 Arg Ala Val Leu Ala Gln Lys Ile Glu Lys Glu Thr Gln Ile Leu Asn
 65 70 75 80
 Cys Ala Leu Asp Asp Ile Glu Trp Phe Val Ala Arg Leu Gln Lys Ala
 85 90 95
 Ala Glu Ala Phe Lys Gln Leu Asn Gln Arg Lys Lys Gly Lys Lys Lys
 100 105 110
 Gly Lys Lys Ala Pro Ala Glu Gly Val Leu Thr Leu Arg Ala Arg Pro
 115 120 125
 Pro Ser Glu Gly Glu Phe Ile Asp Cys Phe Gln Lys Ile Lys Leu Ala
 130 135 140
 Ile Asn Leu Leu Ala Lys Leu Gln Lys His Ile Gln Asn Pro Ser Ala
 145 150 155 160
 Ala Glu Leu Val His Phe Leu Phe Gly Pro Leu Asp Leu Ile Val Asn
 165 170 175
 Thr Cys Ser Gly Pro Asp Ile Ala Arg Ser Val Ser Cys Pro Leu Leu
 180 185 190
 Ser Arg Asp Ala Val Asp Phe Leu Arg Gly His Leu Val Pro Lys Glu
 195 200 205
 Met Ser Leu Trp Glu Ser Leu Gly Glu Ser Trp Met Arg Pro Arg Ser
 210 215 220
 Glu Trp Pro Arg Glu Pro Gln Val Pro Leu Tyr Val Pro Lys Phe His
 225 230 235 240
 Ser Gly Trp Glu Pro Pro Val Asp Val Leu Gln Glu Ala Pro Trp Glu
 245 250 255
 Val Glu Gly Leu Ala Ser Ala Pro Ile Glu Glu Val Ser Pro Val Ser
 260 265 270
 Arg Gln Ser Ile Arg Asn Ser Gln Lys His Ser Pro Thr Ser Glu Pro
 275 280 285
 Thr Pro Pro Gly Asp Ala Leu Pro Pro Val Ser Ser Pro His Thr His
 290 295 300
 Arg Gly Tyr Gln Pro Thr Pro Ala Met Ala Lys Tyr Val Lys Ile Leu
 305 310 315 320
 Tyr Asp Phe Thr Ala Arg Asn Ala Asn Glu Leu Ser Val Leu Lys Asp
 325 330 335
 Glu Val Leu Glu Val Leu Glu Asp Gly Arg Gln Trp Trp Lys Leu Arg
 340 345 350
 Ser Arg Ser Gly Gln Ala Gly Tyr Val Pro Cys Asn Ile Leu Gly Glu
 355 360 365
 Ala Arg Pro Glu Asp Ala Gly Ala Pro Phe Glu Gln Ala Gly Gln Lys
 370 375 380
 Tyr Trp Gly Pro Ala Ser Pro Thr His Lys Leu Pro Pro Ser Phe Pro
 385 390 395 400
 Gly Asn Lys Asp Glu Leu Met Gln His Met Asp Glu Val Asn Asp Glu
 405 410 415
 Leu Ile Arg Lys Ile Ser Asn Ile Arg Ala Gln Pro Gln Arg His Phe
 420 425 430
 Arg Val Glu Arg Ser Gln Pro Val Ser Gln Pro Leu Thr Tyr Glu Ser
 435 440 445
 Gly Pro Asp Glu Val Arg Ala Trp Leu Glu Ala Lys Ala Phe Ser Pro
 450 455 460
 Arg Ile Val Glu Asn Leu Gly Ile Leu Thr Gly Pro Gln Leu Phe Ser
 465 470 475 480
 Leu Asn Lys Glu Glu Leu Lys Lys Val Cys Gly Glu Glu Gly Val Arg
 485 490 495
 Val Tyr Ser Gln Leu Thr Met Gln Lys Ala Phe Leu Glu Lys Gln Gln

500	505	510
Ser Gly Ser Glu Leu Glu Glu Leu Met Asn Lys Phe His	Ser Met Asn	
515	520	525
Gln Arg Arg Gly Glu Asp Ser		
530	535	

<210> 1111
<211> 346
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(346)
<223> X = any amino acid or stop code

<400> 1111
Ala Trp His Glu Gly Leu Val Ser Ser Pro Ala Ile Gly Ala Tyr Leu
1 5 10 15
Ser Ala Ser Tyr Gly Asp Ser Leu Val Val Leu Val Ala Thr Val Val
20 25 30
Ala Leu Leu Asp Ile Cys Phe Ile Leu Val Ala Val Pro Glu Ser Leu
35 40 45
Pro Glu Lys Met Arg Pro Val Ser Trp Gly Ala Gln Ile Ser Trp Lys
50 55 60
Gln Ala Asp Pro Phe Ala Ser Leu Lys Lys Val Gly Lys Asp Ser Thr
65 70 75 80
Val Leu Leu Ile Cys Ile Thr Val Cys Leu Ser Tyr Leu Pro Glu Ala
85 90 95
Gly Gln Tyr Ser Ser Phe Phe Leu Tyr Leu Arg Gln Val Ile Gly Phe
100 105 110
Gly Ser Val Lys Ile Ala Ala Phe Ile Ala Met Val Gly Ile Leu Ser
115 120 125
Ile Val Ala Gln Thr Ala Phe Leu Ser Ile Leu Met Arg Ser Leu Gly
130 135 140
Asn Lys Asn Thr Val Leu Leu Gly Leu Gly Phe Gln Met Leu Gln Leu
145 150 155 160
Ala Trp Tyr Gly Phe Gly Ser Gln Ala Trp Met Met Trp Ala Ala Gly
165 170 175
Thr Val Ala Ala Met Ser Ser Ile Thr Phe Pro Ala Ile Ser Ala Leu
180 185 190
Val Ser Arg Asn Ala Glu Ser Asp Gln Gln Gly Val Ala Gln Gly Ile
195 200 205
Ile Thr Gly Ile Arg Gly Leu Cys Asn Gly Leu Gly Pro Ala Leu Tyr
210 215 220
Gly Phe Ile Phe Tyr Met Phe His Val Glu Leu Thr Glu Leu Gly Pro
225 230 235 240
Lys Leu Asn Ser Asn Asn Val Pro Leu Gln Gly Ala Val Ile Pro Gly
245 250 255
Pro Pro Phe Leu Phe Gly Ala Cys Ile Val Leu Met Ser Phe Leu Ala
260 265 270
Ala Leu Phe Ile Pro Glu Tyr Ser Lys Ala Ser Gly Val Gln Lys His
275 280 285
Ser Asn Ser Ser Ser Gly Ser Leu Thr Asn Thr Pro Glu Arg Gly Ser
290 295 300
Asp Glu Asp Ile Glu Pro Leu Leu Gln Asp Ser Ser Ile Trp Glu Leu
305 310 315 320
Ser Ser Phe Glu Glu Pro Gly Asn Gln Cys Thr Glu Leu Xaa Thr Arg
325 330 335

Gln Lys Val Gly Phe Cys Ile Arg His Leu
 340 345 346

<210> 1112
 <211> 647
 <212>Amino acid
 <213> Homo sapiens

<400> 1112
 Met Ala Ala Gly Leu Ala Thr Trp Leu Pro Phe Ala Arg Ala Ala Ala
 1 5 10 15
 Val Gly Trp Leu Pro Leu Ala Gln Gln Pro Leu Pro Pro Ala Pro Gly
 20 25 30
 Val Lys Ala Ser Arg Gly Asp Glu Val Leu Val Val Asn Val Ser Gly
 35 40 45
 Arg Arg Phe Glu Thr Trp Lys Asn Thr Leu Asp Arg Tyr Pro Asp Thr
 50 55 60
 Leu Leu Gly Ser Ser Glu Lys Glu Phe Phe Tyr Asp Ala Asp Ser Gly
 65 70 75 80
 Glu Tyr Phe Phe Asp Arg Asp Pro Asp Met Phe Arg His Val Leu Asn
 85 90 95
 Phe Tyr Arg Thr Gly Arg Leu His Cys Pro Arg Gln Glu Cys Ile Gln
 100 105 110
 Ala Phe Asp Glu Glu Leu Ala Phe Tyr Gly Leu Val Pro Glu Leu Val
 115 120 125
 Gly Asp Cys Cys Leu Glu Glu Tyr Arg Asp Arg Lys Lys Glu Asn Ala
 130 135 140
 Glu Arg Leu Ala Glu Asp Glu Glu Ala Glu Gln Ala Gly Asp Gly Pro
 145 150 155 160
 Ala Leu Pro Ala Gly Ser Ser Leu Arg Gln Arg Leu Trp Arg Ala Phe
 165 170 175
 Glu Asn Pro His Thr Ser Thr Ala Ala Leu Val Phe Tyr Tyr Val Thr
 180 185 190
 Gly Phe Phe Ile Ala Val Ser Val Ile Ala Asn Val Val Glu Thr Ile
 195 200 205
 Pro Cys Arg Gly Ser Ala Arg Arg Ser Ser Arg Glu Gln Pro Cys Gly
 210 215 220
 Glu Arg Phe Pro Gln Ala Phe Phe Cys Met Asp Thr Ala Cys Val Leu
 225 230 235 240
 Ile Phe Thr Gly Glu Tyr Leu Leu Arg Leu Phe Ala Ala Pro Ser Arg
 245 250 255
 Cys Arg Phe Leu Arg Ser Val Met Ser Leu Ile Asp Val Val Ala Ile
 260 265 270
 Leu Pro Tyr Tyr Ile Gly Leu Leu Val Pro Lys Asn Asp Asp Val Ser
 275 280 285
 Gly Ala Phe Val Thr Leu Arg Val Phe Arg Val Phe Arg Ile Phe Lys
 290 295 300
 Phe Ser Arg His Ser Gln Gly Leu Arg Ile Leu Gly Tyr Thr Leu Lys
 305 310 315 320
 Ser Cys Ala Ser Glu Leu Gly Phe Leu Leu Phe Ser Leu Thr Met Ala
 325 330 335
 Ile Ile Ile Phe Ala Thr Val Met Phe Tyr Ala Glu Lys Gly Thr Asn
 340 345 350
 Lys Thr Asn Phe Thr Ser Ile Pro Ala Ala Phe Trp Tyr Thr Ile Val
 355 360 365
 Thr Met Thr Thr Leu Gly Tyr Gly Asp Met Val Pro Ser Thr Ile Ala
 370 375 380
 Gly Lys Ile Phe Gly Ser Ile Cys Ser Leu Ser Gly Val Leu Val Ile
 385 390 395 400

Ala Leu Pro Val Pro Val Ile Val Ser Asn Phe Ser Arg Ile Tyr His
 405 410 415
 Gln Asn Gln Arg Ala Asp Lys Arg Arg Ala Gln Gln Lys Val Arg Leu
 420 425 430
 Ala Arg Ile Arg Leu Ala Lys Ser Gly Thr Thr Asn Ala Phe Leu Gln
 435 440 445
 Tyr Lys Gln Asn Gly Gly Leu Glu Asp Ser Gly Ser Gly Glu Glu Gln
 450 455 460
 Ala Val Cys Val Arg Asn Arg Ser Ala Phe Glu Gln Gln His His His
 465 470 475 480
 Leu Leu His Cys Leu Glu Lys Thr Thr Cys His Glu Phe Thr Asp Glu
 485 490 495
 Leu Thr Phe Ser Glu Ala Leu Gly Ala Val Ser Pro Gly Gly Arg Thr
 500 505 510
 Ser Arg Ser Thr Ser Val Ser Ser Gln Pro Val Gly Pro Gly Ser Leu
 515 520 525
 Leu Ser Ser Cys Cys Pro Arg Arg Ala Lys Arg Arg Ala Ile Arg Leu
 530 535 540
 Ala Asn Ser Thr Ala Ser Val Ser Arg Gly Ser Met Gln Glu Leu Asp
 545 550 555 560
 Met Leu Ala Gly Leu Arg Arg Ser His Ala Pro Gln Ser Arg Ser Ser
 565 570 575
 Leu Asn Ala Lys Pro His Asp Ser Leu Asp Leu Asn Cys Asp Ser Gly
 580 585 590
 Asp Phe Val Ala Ala Ile Ile Ser Ile Pro Thr Pro Pro Ala Asn Thr
 595 600 605
 Pro Asp Glu Ser Gln Pro Ser Ser Pro Gly Gly Gly Arg Ala Gly
 610 615 620
 Ser Thr Leu Arg Asn Ser Ser Leu Gly Thr Pro Cys Leu Phe Pro Glu
 625 630 635 640
 Thr Val Lys Ile Ser Ser Leu
 645 647

<210> 1113
 <211> 220
 <212> Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(220)
 <223> X = any amino acid or stop code

<400> 1113
 Gly Trp Gly Lys Pro Phe Lys Asp Trp Thr Thr Gly Gly Gln Asp Thr
 1 5 10 15
 Gly Gly Glu Pro Ala Leu Leu Val Gly Ala Gly Glu Gly Arg Ala Pro
 20 25 30
 Arg Leu Asn Cys Pro Ser Gly Gln Ile Arg Ser Pro Gly Pro Gly Asp
 35 40 45
 Leu Ser Ile Tyr Asp Asn Trp Ile Arg Tyr Phe Asn Arg Ser Ser Pro
 50 55 60
 Val Tyr Gly Leu Val Pro Arg Ser Lys Thr Ser Ala Arg Ile Tyr Pro
 65 70 75 80
 Thr Tyr His Thr Ala Phe Asp Thr Phe Asp Tyr Val Asp Lys Phe Leu
 85 90 95
 Asp Pro Gly Glu Glu Gly Asp Lys Gly His Pro Glu Thr Arg Thr Gly
 100 105 110
 Glu Ala Glu Asp Xaa Ala Leu Ala Leu Ser Pro Cys Arg Arg Phe Ser

115	120	125
Ser His Gln Ala Val Ala Arg	Thr Ala Gly Ser Val Ile Leu Arg Leu	
130	135	140
Ser Asp Ser Phe Phe Leu Pro	Leu Lys Val Ser Asp Tyr Ser Glu Thr	
145	150	155
Leu Arg Ser Phe Leu Gln Ala Ala	Gln Gln Asp Leu Gly Ala Leu Leu	160
165	170	175
Glu Gln His Ser Ile Ser Leu Gly	Pro Leu Val Thr Ala Val Glu Lys	
180	185	190
Phe Glu Ala Glu Ala Ala Ala	Leu Gly Gln Arg Ile Ser Thr Leu Gln	
195	200	205
Lys Gly Ser Pro Asp Pro Leu Gln	Val Arg Met Leu	
210	215	220

<210> 1114
<211> 382
<212> Amino acid
<213> Homo sapiens

<400> 1114		
Gly Ile Arg Gly Gly Ser Leu Ala Ser Gly Gly Pro Gly Pro Gly		
1	5	10
His Ala Ser Leu Ser Gln Arg Leu Arg Leu Tyr Leu Ala Asp Ser Trp		
20	25	30
Asn Gln Cys Asp Leu Val Ala Leu Thr Cys Phe Leu Leu Gly Val Gly		
35	40	45
Cys Arg Leu Thr Pro Gly Leu Tyr His Leu Gly Arg Thr Val Leu Cys		
50	55	60
Ile Asp Phe Met Val Phe Thr Val Arg Leu Leu His Ile Phe Thr Val		
65	70	75
Asn Lys Gln Leu Gly Pro Lys Ile Val Ile Val Ser Lys Met Met Lys		
85	90	95
Asp Val Phe Phe Leu Phe Phe Leu Gly Val Trp Leu Val Ala Tyr		
100	105	110
Gly Val Ala Thr Glu Gly Leu Leu Arg Pro Arg Asp Ser Asp Phe Pro		
115	120	125
Ser Ile Leu Arg Arg Val Phe Tyr Arg Pro Tyr Leu Gln Ile Phe Gly		
130	135	140
Gln Ile Pro Gln Glu Asp Met Asp Val Ala Leu Met Glu His Ser Asn		
145	150	155
Cys Ser Ser Glu Pro Gly Phe Trp Ala His Pro Pro Gly Ala Gln Ala		
165	170	175
Gly Thr Cys Val Ser Gln Tyr Ala Asn Trp Leu Val Val Leu Leu Leu		
180	185	190
Val Ile Phe Leu Leu Val Ala Asn Ile Leu Leu Val Asn Leu Leu Ile		
195	200	205
Ala Met Phe Ser Tyr Thr Phe Gly Lys Val Gln Gly Asn Ser Asp Leu		
210	215	220
Tyr Trp Lys Ala Gln Arg Tyr Arg Leu Ile Arg Glu Phe His Ser Arg		
225	230	235
Pro Ala Leu Ala Pro Pro Phe Ile Val Ile Ser His Leu Arg Leu Leu		
245	250	255
Leu Arg Gln Leu Cys Arg Arg Pro Arg Ser Pro Gln Pro Ser Ser Pro		
260	265	270
Ala Leu Glu His Phe Arg Val Tyr Leu Ser Lys Glu Ala Glu Arg Lys		
275	280	285
Leu Leu Thr Trp Glu Ser Val His Lys Glu Asn Phe Leu Leu Ala Arg		
290	295	300
Ala Arg Asp Lys Arg Glu Ser Asp Ser Glu Arg Leu Lys Arg Thr Ser		

305	310	315	320
Gln Lys Val Asp Leu Ala Leu Lys Gln Leu Gly His Ile Arg Glu Tyr			
325	330	335	
Glu Gln Arg Leu Lys Val Leu Glu Arg Glu Val Gln Gln Cys Ser Arg			
340	345	350	
Val Leu Gly Trp Val Ala Glu Ala Leu Ser Arg Ser Ala Leu Leu Pro			
355	360	365	
Pro Gly Gly Pro Pro Pro Pro Asp Leu Pro Gly Ser Lys Asp			
370	375	380	382

<210> 1115
<211> 109
<212>Amino acid
<213> Homo sapiens

<400> 1115			
Leu Ile Lys Leu Cys Lys Ser Lys Ala Lys Ser Cys Glu Asn Asp Leu			
1	5	10	15
Glu Met Gly Met Leu Asn Ser Lys Phe Lys Lys Thr Arg Tyr Gln Ala			
20	25	30	
Gly Met Arg Asn Ser Glu Asn Leu Thr Ala Asn Asn Thr Leu Ser Lys			
35	40	45	
Pro Thr Arg Tyr Gln Gly Glu Leu Lys Glu Ile Lys Gln Asp Ile Ser			
50	55	60	
Ser Leu Arg Tyr Glu Leu Leu Glu Glu Lys Ser Gln Ala Thr Gly Glu			
65	70	75	80
Leu Ala Asp Leu Ile Gln Gln Leu Ser Glu Lys Phe Gly Lys Asn Leu			
85	90	95	
Asn Lys Asp His Leu Arg Val Asn Lys Gly Lys Asp Ile			
100	105	109	

<210> 1116
<211> 679
<212>Amino acid
<213> Homo sapiens

<400> 1116			
Leu Pro Leu Leu His Ala Gly Phe Asn Arg Arg Phe Met Glu Asn Ser			
1	5	10	15
Ser Ile Ile Ala Cys Tyr Asn Glu Leu Ile Gln Ile Glu His Gly Glu			
20	25	30	
Val Arg Ser Gln Phe Lys Leu Arg Ala Cys Asn Ser Val Phe Thr Ala			
35	40	45	
Leu Asp His Cys His Glu Ala Ile Glu Ile Thr Ser Asp Asp His Val			
50	55	60	
Ile Gln Tyr Val Asn Pro Ala Phe Glu Arg Met Met Gly Tyr His Lys			
65	70	75	80
Gly Glu Leu Leu Gly Lys Glu Leu Ala Asp Leu Pro Lys Ser Asp Lys			
85	90	95	
Asn Arg Ala Asp Leu Leu Asp Thr Ile Asn Thr Cys Ile Lys Lys Gly			
100	105	110	
Lys Glu Trp Gln Gly Val Tyr Tyr Ala Arg Arg Lys Ser Gly Asp Ser			
115	120	125	
Ile Gln Gln His Val Lys Ile Thr Pro Val Ile Gly Gln Gly Lys			

130	135	140
Ile Arg His Phe Val Ser Leu Lys Leu Cys Cys Thr Thr Asp Asn		
145	150	155
Asn Lys Gln Ile His Lys Ile His Arg Asp Ser Gly Asp Asn Ser Gln		160
165	170	175
Thr Glu Pro His Ser Phe Arg Tyr Lys Asn Arg Arg Lys Glu Ser Ile		
180	185	190
Asp Val Lys Ser Ile Ser Ser Arg Gly Ser Asp Ala Pro Ser Leu Gln		
195	200	205
Asn Arg Arg Tyr Pro Ser Met Ala Arg Ile His Ser Met Thr Ile Glu		
210	215	220
Ala Pro Ile Thr Lys Val Ile Asn Ile Asn Ala Ala Gln Glu Asn		
225	230	235
Ser Pro Val Thr Val Ala Glu Ala Leu Asp Arg Val Leu Glu Ile Leu		240
245	250	255
Arg Thr Thr Glu Leu Tyr Ser Pro Gln Leu Gly Thr Lys Asp Glu Asp		
260	265	270
Pro His Thr Ser Asp Leu Val Gly Gly Leu Met Thr Asp Gly Leu Arg		
275	280	285
Arg Leu Ser Gly Asn Glu Tyr Val Phe Thr Lys Asn Val His Gln Ser		
290	295	300
His Ser His Leu Ala Met Pro Ile Thr Ile Asn Asp Val Pro Pro Cys		
305	310	315
Ile Ser Gln Leu Leu Asp Asn Glu Glu Ser Trp Asp Phe Asn Ile Phe		320
325	330	335
Glu Leu Glu Ala Ile Thr His Lys Arg Pro Leu Val Tyr Leu Gly Leu		
340	345	350
Lys Val Phe Ser Arg Phe Gly Val Cys Glu Phe Leu Asn Cys Ser Glu		
355	360	365
Thr Thr Leu Arg Ala Trp Phe Gln Val Ile Glu Ala Asn Tyr His Ser		
370	375	380
Ser Asn Ala Tyr His Asn Ser Thr His Ala Ala Asp Val Leu His Ala		
385	390	395
Thr Ala Phe Phe Leu Gly Lys Glu Arg Val Lys Gly Ser Leu Asp Gln		400
405	410	415
Leu Asp Glu Val Ala Ala Leu Ile Ala Ala Thr Val His Asp Val Asp		
420	425	430
His Pro Gly Arg Thr Asn Ser Phe Leu Cys Asn Ala Gly Ser Glu Leu		
435	440	445
Ala Val Leu Tyr Asn Asp Thr Ala Val Leu Glu Ser His His Thr Ala		
450	455	460
Leu Ala Phe Gln Leu Thr Val Lys Asp Thr Lys Cys Asn Ile Phe Lys		
465	470	475
Asn Ile Asp Arg Gly Asn His Tyr Arg Thr Leu Arg Gln Ala Ile Ile		480
485	490	495
Asp Met Val Leu Ala Thr Glu Met Thr Lys His Phe Glu His Val Asn		
500	505	510
Lys Phe Val Asn Ser Ile Asn Lys Pro Met Ala Ala Glu Ile Glu Gly		
515	520	525
Ser Asp Cys Glu Cys Asn Pro Ala Gly Lys Asn Phe Pro Glu Asn Gln		
530	535	540
Ile Leu Ile Lys Arg Met Met Ile Lys Cys Ala Asp Val Ala Asn Pro		
545	550	555
Cys Arg Pro Leu Asp Leu Cys Ile Glu Trp Ala Gly Arg Ile Ser Glu		560
565	570	575
Glu Tyr Phe Ala Gln Thr Asp Glu Glu Lys Arg Gln Gly Leu Pro Val		
580	585	590
Val Met Pro Val Phe Asp Arg Asn Thr Cys Ser Ile Pro Lys Ser Gln		
595	600	605
Ile Ser Phe Ile Asp Tyr Phe Ile Thr Asp Met Phe Asp Ala Trp Asp		
610	615	620
Ala Phe Ala His Leu Pro Ala Leu Met Gln His Leu Ala Asp Asn Tyr		
625	630	635
Lys His Trp Lys Thr Leu Asp Asp Leu Lys Cys Lys Ser Leu Arg Leu		640

645	650	655
Pro Ser Asp Arg Leu Lys Pro Ser His Arg Gly Gly	Leu Thr Asp	
660	665	670
Lys Gly His Cys Glu Ser Gln		
675	679	

<210> 1117
 <211> 1193
 <212>Amino acid
 <213> Homo sapiens

<400> 1117
 Ala Phe Leu Ser Lys Val Glu Glu Asp Asp Tyr Pro Ser Glu Glu Leu
 1 5 10 15
 Leu Glu Asp Glu Asn Ala Ile Asn Ala Lys Arg Ser Lys Glu Lys Asn
 20 25 30
 Pro Gly Asn Gln Gly Arg Gln Phe Asp Val Asn Leu Gln Val Pro Asp
 35 40 45
 Arg Ala Val Leu Gly Thr Ile His Pro Asp Pro Glu Ile Glu Glu Ser
 50 55 60
 Lys Gln Glu Thr Ser Met Ile Leu Asp Ser Glu Lys Thr Ser Glu Thr
 65 70 75 80
 Ala Ala Lys Gly Val Asn Thr Gly Arg Glu Pro Asn Thr Met Val
 85 90 95
 Glu Lys Glu Arg Pro Leu Ala Asp Lys Lys Ala Gln Arg Pro Phe Glu
 100 105 110
 Arg Ser Asp Phe Ser Asp Ser Ile Lys Ile Gln Thr Pro Glu Leu Gly
 115 120 125
 Glu Val Phe Gln Asn Lys Asp Ser Asp Tyr Leu Lys Asn Asp Asn Pro
 130 135 140
 Glu Glu His Leu Lys Thr Ser Gly Leu Ala Gly Glu Pro Glu Gly Glu
 145 150 155 160
 Leu Ser Lys Glu Asp His Glu Asn Thr Glu Lys Tyr Met Gly Thr Glu
 165 170 175
 Ser Gln Gly Ser Ala Ala Ala Glu Pro Glu Asp Asp Ser Phe His Trp
 180 185 190
 Thr Pro His Thr Ser Val Glu Pro Gly His Ser Asp Lys Arg Glu Asp
 195 200 205
 Leu Leu Ile Ile Ser Ser Phe Phe Lys Glu Gln Gln Ser Leu Gln Arg
 210 215 220
 Phe Gln Lys Tyr Phe Asn Val His Glu Leu Glu Ala Leu Leu Gln Glu
 225 230 235 240
 Met Ser Ser Lys Leu Lys Ser Ala Gln Gln Glu Ser Leu Pro Tyr Asn
 245 250 255
 Met Glu Lys Val Leu Asp Lys Val Phe Arg Ala Ser Glu Ser Gln Ile
 260 265 270
 Leu Ser Ile Ala Glu Lys Met Leu Asp Thr Arg Val Ala Glu Asn Arg
 275 280 285
 Asp Leu Gly Met Asn Glu Asn Asn Ile Phe Glu Glu Ala Ala Val Leu
 290 295 300
 Asp Asp Ile Gln Asp Leu Ile Tyr Phe Val Arg Tyr Lys His Ser Thr
 305 310 315 320
 Ala Glu Glu Thr Ala Thr Leu Val Met Ala Pro Pro Leu Glu Glu Gly
 325 330 335
 Leu Gly Gly Ala Met Glu Glu Met Gln Pro Leu His Glu Asp Asn Phe
 340 345 350
 Ser Arg Glu Lys Thr Ala Glu Leu Asn Val Gln Val Pro Glu Glu Pro
 355 360 365
 Thr His Leu Asp Gln Arg Val Ile Gly Asp Thr His Ala Ser Glu Val

370	375	380
Ser Gln Lys Pro Asn Thr Glu Lys Asp Leu Asp Pro Gly Pro Val Thr		
385	390	395
Thr Glu Asp Thr Pro Met Asp Ala Ile Asp Ala Asn Lys Gln Pro Glu		400
405	410	415
Thr Ala Ala Glu Glu Pro Ala Ser Val Thr Pro Leu Glu Asn Ala Ile		
420	425	430
Leu Leu Ile Tyr Ser Phe Met Phe Tyr Leu Thr Lys Ser Leu Val Ala		
435	440	445
Thr Leu Pro Asp Asp Val Gln Pro Gly Pro Asp Phe Tyr Gly Leu Pro		
450	455	460
Trp Lys Pro Val Phe Ile Thr Ala Phe Leu Gly Ile Ala Ser Phe Ala		
465	470	475
Ile Phe Leu Trp Arg Thr Val Leu Val Val Lys Asp Arg Val Tyr Gln		480
485	490	495
Val Thr Glu Gln Gln Ile Ser Glu Lys Leu Lys Thr Ile Met Lys Glu		
500	505	510
Asn Thr Glu Leu Val Gln Lys Leu Ser Asn Tyr Glu Gln Lys Ile Lys		
515	520	525
Glu Ser Lys Lys His Val Gln Glu Thr Arg Lys Gln Asn Met Ile Leu		
530	535	540
Ser Asp Glu Ala Ile Lys Tyr Lys Asp Lys Ile Lys Thr Leu Glu Lys		
545	550	555
Asn Gln Glu Ile Leu Asp Asp Thr Ala Lys Asn Leu Arg Val Met Leu		560
565	570	575
Glu Ser Glu Arg Glu Gln Asn Val Lys Asn Gln Asp Leu Ile Ser Glu		
580	585	590
Asn Lys Lys Ser Ile Glu Lys Leu Lys Asp Val Ile Ser Met Asn Ala		
595	600	605
Ser Glu Phe Ser Glu Val Gln Ile Ala Leu Asn Glu Ala Lys Leu Ser		
610	615	620
Glu Glu Lys Val Lys Ser Glu Cys His Arg Val Gln Glu Glu Asn Ala		
625	630	635
Arg Leu Lys Lys Lys Glu Gln Leu Gln Gln Glu Ile Glu Asp Trp		
645	650	655
Ser Lys Leu His Ala Glu Leu Ser Glu Gln Ile Lys Ser Phe Glu Lys		
660	665	670
Ser Gln Lys Asp Leu Glu Val Ala Leu Thr His Lys Asp Asp Asn Ile		
675	680	685
Asn Ala Leu Thr Asn Cys Ile Thr Gln Leu Asn Leu Leu Glu Cys Glu		
690	695	700
Ser Glu Ser Glu Gly Gln Asn Lys Gly Gly Asn Asp Ser Asp Glu Leu		
705	710	715
Ala Asn Gly Glu Val Gly Gly Asp Arg Asn Glu Lys Met Lys Asn Gln		720
725	730	735
Ile Lys Gln Met Met Asp Val Ser Arg Thr Gln Thr Ala Ile Ser Val		
740	745	750
Val Glu Glu Asp Leu Lys Leu Leu Gln Leu Lys Leu Arg Ala Ser Val		
755	760	765
Ser Thr Lys Cys Asn Leu Glu Asp Gln Val Lys Lys Leu Glu Asp Asp		
770	775	780
Arg Asn Ser Leu Gln Ala Ala Lys Ala Gly Leu Glu Asp Glu Cys Lys		
785	790	795
Thr Leu Arg Gln Lys Val Glu Ile Leu Asn Glu Leu Tyr Gln Gln Lys		800
805	810	815
Glu Met Ala Leu Gln Lys Lys Leu Ser Gln Glu Glu Tyr Glu Arg Gln		
820	825	830
Glu Arg Glu His Arg Leu Ser Ala Ala Asp Glu Lys Ala Val Ser Ala		
835	840	845
Ala Glu Glu Val Lys Thr Tyr Lys Arg Arg Ile Glu Glu Met Glu Asp		
850	855	860
Glu Leu Gln Lys Thr Glu Arg Ser Phe Lys Asn Gln Ile Ala Thr His		
865	870	875
Glu Lys Lys Ala His Glu Asn Trp Leu Lys Ala Arg Ala Ala Glu Arg		880

885	890	895
Ala Ile Ala Glu Glu Lys Arg Glu Ala Ala Asn Leu Arg His Lys Leu		
900	905	910
Leu Asp Leu Thr Gln Lys Met Ala Met Leu Gln Glu Glu Pro Val Ile		
915	920	925
Val Lys Pro Met Pro Gly Lys Pro Asn Thr Gln Asn Pro Pro Arg Arg		
930	935	940
Gly Pro Leu Ser Gln Asn Gly Ser Phe Gly Pro Ser Pro Val Ser Gly		
945	950	955
Gly Glu Cys Ser Pro Pro Leu Thr Val Glu Pro Pro Val Arg Pro Leu		
965	970	975
Ser Ala Thr Leu Asn Arg Arg Asp Met Pro Arg Ser Glu Phe Gly Ser		
980	985	990
Leu Asp Gly Pro Leu Pro His Pro Arg Trp Ser Ala Glu Ala Ser Gly		
995	1000	1005
Lys Pro Ser Pro Ser Asp Pro Gly Ser Gly Thr Ala Thr Met Met Asn		
1010	1015	1020
Ser Ser Ser Arg Gly Ser Ser Pro Thr Arg Val Leu Asp Glu Gly Lys		
1025	1030	1035
Val Asn Met Ala Pro Lys Gly Pro Pro Phe Pro Gly Val Pro Leu		
1045	1050	1055
Met Ser Thr Pro Met Gly Gly Pro Val Pro Pro Pro Ile Arg Tyr Gly		
1060	1065	1070
Pro Pro Pro Gln Leu Cys Gly Pro Phe Gly Pro Arg Pro Leu Pro Pro		
1075	1080	1085
Pro Phe Gly Pro Gly Met Arg Pro Pro Leu Gly Leu Arg Glu Phe Ala		
1090	1095	1100
Pro Gly Val Pro Pro Gly Arg Arg Asp Leu Pro Leu His Pro Arg Gly		
1105	1110	1115
Phe Leu Pro Gly His Ala Pro Phe Arg Pro Leu Gly Ser Leu Gly Pro		
1125	1130	1135
Arg Glu Tyr Phe Ile Pro Gly Thr Arg Leu Pro Pro Pro Thr His Gly		
1140	1145	1150
Pro Gln Glu Tyr Pro Pro Pro Ala Val Arg Asp Leu Leu Pro Ser		
1155	1160	1165
Gly Ser Arg Asp Glu Pro Pro Ala Ser Gln Ser Thr Ser Gln Asp		
1170	1175	1180
Cys Ser Gln Ala Leu Lys Gln Ser Pro		
1185	1190	1193

<210> 1118
 <211> 981
 <212>Amino acid
 <213> Homo sapiens

<400> 1118		
Met Ala Ala Asp Ser Glu Pro Glu Ser Glu Val Phe Glu Ile Thr Asp		
1	5	10
Phe Thr Thr Ala Ser Glu Trp Glu Arg Phe Ile Ser Lys Val Glu Glu		
20	25	30
Val Leu Asn Asp Trp Lys Leu Ile Gly Asn Ser Leu Gly Lys Pro Leu		
35	40	45
Glu Lys Gly Ile Phe Thr Ser Gly Thr Trp Glu Glu Lys Ser Asp Glu		
50	55	60
Ile Ser Phe Ala Asp Phe Lys Phe Ser Val Thr His His Tyr Leu Val		
65	70	75
Gln Glu Ser Thr Asp Lys Glu Gly Lys Asp Glu Leu Leu Glu Asp Val		
85	90	95
Val Pro Gln Ser Met Gln Asp Leu Leu Gly Met Asn Asn Asp Phe Pro		

100	105	110
Pro Arg Ala His Cys Leu Val Arg Trp Tyr Gly Leu Arg Glu Phe Val		
115	120	125
Val Ile Ala Pro Ala Ala His Ser Asp Ala Val Leu Ser Glu Ser Lys		
130	135	140
Cys Asn Leu Leu Leu Ser Ser Val Ser Ile Ala Leu Gly Asn Thr Gly		
145	150	155
Cys Gln Val Pro Leu Phe Val Gln Ile His His Lys Trp Arg Arg Met		
165	170	175
Tyr Val Gly Glu Cys Gln Gly Pro Gly Val Arg Thr Asp Phe Glu Met		
180	185	190
Val His Leu Arg Lys Val Pro Asn Gln Tyr Thr His Leu Ser Gly Leu		
195	200	205
Leu Asp Ile Phe Lys Ser Lys Ile Gly Cys Pro Leu Thr Pro Leu Pro		
210	215	220
Pro Val Ser Ile Ala Ile Arg Phe Thr Tyr Val Leu Gln Asp Trp Gln		
225	230	235
Gln Tyr Phe Trp Pro Gln Gln Pro Pro Asp Ile Asp Ala Leu Val Gly		
245	250	255
Gly Glu Val Gly Gly Leu Glu Phe Gly Lys Leu Pro Phe Gly Ala Cys		
260	265	270
Glu Asp Pro Ile Ser Glu Leu His Leu Ala Thr Thr Trp Pro His Leu		
275	280	285
Thr Glu Gly Ile Ile Val Asp Asn Asp Val Tyr Ser Asp Leu Asp Pro		
290	295	300
Ile Gln Ala Pro His Trp Ser Val Arg Val Arg Lys Ala Glu Asn Pro		
305	310	315
Gln Cys Leu Leu Gly Asp Phe Val Thr Glu Phe Phe Lys Ile Cys Arg		
325	330	335
Arg Lys Glu Ser Thr Asp Glu Ile Leu Gly Arg Ser Ala Phe Glu Glu		
340	345	350
Glu Gly Lys Glu Thr Ala Asp Ile Thr His Ala Leu Ser Lys Leu Thr		
355	360	365
Glu Pro Ala Ser Val Pro Ile His Lys Leu Ser Val Ser Asn Met Val		
370	375	380
His Thr Ala Lys Lys Ile Arg Lys His Arg Gly Val Glu Glu Ser		
385	390	395
Pro Leu Asn Asn Asp Val Leu Asn Thr Ile Leu Leu Phe Leu Phe Pro		
405	410	415
Asp Ala Val Ser Glu Lys Pro Leu Asp Gly Thr Thr Ser Thr Asp Asn		
420	425	430
Asn Asn Pro Pro Ser Glu Ser Glu Asp Tyr Asn Leu Tyr Asn Gln Phe		
435	440	445
Lys Ser Ala Pro Ser Asp Ser Leu Thr Tyr Lys Leu Ala Leu Cys Leu		
450	455	460
Cys Met Ile Asn Phe Tyr His Gly Gly Leu Lys Gly Val Ala His Leu		
465	470	475
Trp Gln Glu Phe Val Leu Glu Met Arg Phe Arg Trp Glu Asn Asn Phe		
485	490	495
Leu Ile Pro Gly Leu Ala Ser Gly Pro Pro Asp Leu Arg Cys Cys Leu		
500	505	510
Leu His Gln Lys Leu Gln Met Leu Asn Cys Cys Ile Glu Arg Lys Lys		
515	520	525
Ala Arg Asp Glu Gly Lys Lys Thr Ser Ala Ser Asp Val Thr Asn Ile		
530	535	540
Tyr Pro Gly Asp Ala Gly Lys Ala Gly Asp Gln Leu Val Pro Asp Asn		
545	550	555
Leu Lys Glu Thr Asp Lys Glu Lys Gly Glu Val Gly Lys Ser Trp Asp		
565	570	575
Ser Trp Ser Asp Ser Glu Glu Glu Phe Phe Glu Cys Leu Ser Asp Thr		
580	585	590
Glu Glu Leu Lys Gly Asn Gly Gln Glu Ser Gly Lys Lys Gly Gly Pro		
595	600	605
Lys Glu Met Ala Asn Leu Arg Pro Glu Gly Arg Leu Tyr Gln His Gly		

610	615	620
Lys Leu Thr Leu Leu His Asn Gly Glu Pro Leu Tyr Ile Pro Val Thr		
625	630	635
Gln Glu Pro Ala Pro Met Thr Glu Asp Leu Leu Glu Glu Gln Ser Glu		640
645	650	655
Val Leu Ala Lys Leu Gly Thr Ser Ala Glu Gly Ala His Leu Arg Ala		
660	665	670
Arg Met Gln Ser Ala Cys Leu Leu Ser Asp Met Glu Ser Phe Lys Ala		
675	680	685
Ala Asn Pro Gly Cys Ser Leu Glu Asp Phe Val Arg Trp Tyr Ser Pro		
690	695	700
Arg Asp Tyr Ile Glu Glu Glu Val Ile Asp Glu Lys Gly Asn Val Val		
705	710	715
Leu Lys Gly Glu Leu Ser Ala Arg Met Lys Ile Pro Ser Asn Met Trp		720
725	730	735
Val Glu Ala Trp Glu Thr Ala Lys Pro Ile Pro Ala Arg Arg Gln Arg		
740	745	750
Arg Leu Phe Asp Asp Thr Arg Glu Ala Glu Lys Val Leu His Tyr Leu		
755	760	765
Ala Ile Gln Lys Pro Ala Asp Leu Ala Arg His Leu Leu Pro Cys Val		
770	775	780
Ile His Ala Ala Val Leu Lys Val Lys Glu Glu Ser Leu Glu Asn		
785	790	795
Ile Ser Ser Val Lys Lys Ile Ile Lys Gln Ile Ile Ser His Ser Ser		800
805	810	815
Lys Val Leu His Phe Pro Asn Pro Glu Asp Lys Lys Leu Glu Glu Ile		
820	825	830
Ile His Gln Ile Thr Asn Val Glu Ala Leu Ile Ala Arg Ala Arg Ser		
835	840	845
Leu Lys Ala Lys Phe Gly Thr Glu Lys Cys Glu Gln Glu Glu Lys		
850	855	860
Glu Asp Leu Glu Arg Phe Val Ser Cys Leu Leu Glu Gln Pro Glu Val		
865	870	875
Leu Val Thr Gly Ala Gly Arg Gly His Ala Gly Arg Ile Ile His Lys		880
885	890	895
Leu Phe Val Asn Ala Gln Arg Ala Ala Met Thr Pro Pro Glu Glu		
900	905	910
Glu Leu Lys Arg Met Gly Ser Pro Glu Glu Arg Arg Gln Asn Ser Val		
915	920	925
Ser Asp Phe Pro Pro Ala Gly Arg Glu Phe Ile Leu Arg Thr Thr		
930	935	940
Val Pro Arg Pro Ala Pro Tyr Ser Lys Ala Leu Pro Gln Arg Met Tyr		
945	950	955
Ser Val Leu Thr Lys Glu Asp Phe Arg Leu Ala Gly Ala Phe Ser Ser		960
965	970	975
Asp Thr Ser Phe Phe		
980	981	

<210> 1119
<211> 554
<212>Amino acid
<213> Homo sapiens

<400> 1119		
Ser Pro Thr Arg Thr Gly Asp Arg Ser Val Ser Leu Ile Val Phe Leu		
1	5	10
Thr Glu Gly Lys Pro Thr Val Gly Glu Thr His Thr Leu Lys Ile Leu		15
20	25	30
Asn Asn Thr Arg Glu Ala Ala Arg Gly Gln Val Cys Ile Phe Thr Ile		

35	40	45
Gly Ile Gly Asn Asp Val Asp Phe Arg Leu Leu Glu Lys Leu Ser Leu		
50	55	60
Glu Asn Cys Gly Leu Thr Arg Arg Val His Glu Glu Glu Asp Ala Gly		
65	70	75
Ser Gln Leu Ile Gly Phe Tyr Asp Glu Ile Arg Thr Pro Leu Leu Ser		
85	90	95
Asp Ile Arg Ile Asp Tyr Pro Pro Ser Ser Val Val Gln Ala Thr Lys		
100	105	110
Thr Leu Phe Pro Asn Tyr Phe Asn Gly Ser Glu Ile Ile Ala Gly		
115	120	125
Lys Leu Val Asp Arg Lys Leu Asp His Leu His Val Glu Val Thr Ala		
130	135	140
Ser Asn Ser Lys Lys Phe Ile Ile Leu Lys Thr Asp Val Pro Val Arg		
145	150	155
Pro Gln Lys Ala Gly Lys Asp Val Thr Gly Ser Pro Arg Pro Gly Gly		
165	170	175
Asp Gly Glu Gly Asp Thr Asn His Ile Glu Arg Leu Trp Ser Tyr Leu		
180	185	190
Thr Thr Lys Glu Leu Leu Ser Ser Trp Leu Gln Ser Asp Asp Glu Pro		
195	200	205
Glu Lys Glu Arg Leu Arg Gln Arg Ala Gln Ala Leu Ala Val Ser Tyr		
210	215	220
Arg Phe Leu Thr Pro Phe Thr Ser Met Lys Leu Arg Gly Pro Val Pro		
225	230	235
Arg Met Asp Gly Leu Glu Glu Ala His Gly Met Ser Ala Ala Met Gly		
245	250	255
Pro Glu Pro Val Val Gln Ser Val Arg Gly Ala Gly Thr Gln Pro Gly		
260	265	270
Pro Leu Leu Lys Lys Pro Tyr Gln Pro Arg Ile Lys Ile Ser Lys Thr		
275	280	285
Ser Val Asp Gly Asp Pro His Phe Val Val Asp Phe Pro Leu Ser Arg		
290	295	300
Leu Thr Val Cys Phe Asn Ile Asp Gly Gln Pro Gly Asp Ile Leu Arg		
305	310	315
Leu Val Ser Asp His Arg Asp Ser Gly Val Thr Val Asn Gly Glu Leu		
325	330	335
Ile Gly Ala Pro Ala Pro Pro Asn Gly His Lys Lys Gln Arg Thr Tyr		
340	345	350
Leu Arg Thr Ile Thr Ile Leu Ile Asn Lys Pro Glu Arg Ser Tyr Leu		
355	360	365
Glu Ile Thr Pro Ser Arg Val Ile Leu Asp Gly Gly Asp Arg Leu Val		
370	375	380
Leu Pro Cys Asn Gln Ser Val Val Val Gly Ser Trp Gly Leu Glu Val		
385	390	395
Ser Val Ser Ala Asn Ala Asn Val Thr Val Thr Ile Gln Gly Ser Ile		
405	410	415
Ala Phe Val Ile Leu Ile His Leu Tyr Lys Lys Pro Ala Pro Phe Gln		
420	425	430
Arg His His Leu Gly Phe Tyr Ile Ala Asn Ser Glu Gly Leu Ser Ser		
435	440	445
Asn Cys His Gly Leu Leu Gly Gln Phe Leu Asn Gln Asp Ala Arg Leu		
450	455	460
Thr Glu Asp Pro Ala Gly Pro Ser Gln Asn Leu Thr His Pro Leu Leu		
465	470	475
Leu Gln Val Gly Glu Gly Pro Glu Ala Val Leu Thr Val Lys Gly His		
485	490	495
Gln Val Pro Val Val Trp Lys Gln Arg Lys Ile Tyr Asn Gly Glu Glu		
500	505	510
Gln Ile Asp Cys Trp Phe Ala Arg Asn Asn Ala Ala Lys Leu Ile Asp		
515	520	525
Gly Glu Tyr Lys Asp Tyr Leu Ala Ser His Pro Phe Asp Thr Gly Met		
530	535	540
Thr Leu Gly Gln Gly Met Ser Arg Glu Leu		

545

550

554

<210> 1120
<211> 107
<212>Amino acid
<213> Homo sapiens

<400> 1120
Val Pro Leu Glu Ser Leu Ser Cys Ser His Ala Asp Asn Trp Lys Gln
1 5 10 15
Glu Leu Thr Lys Phe Ile Ser Pro Asp Gln Leu Pro Val Glu Phe Gly
20 25 30
Gly Thr Met Thr Asp Pro Asp Gly Asn Pro Lys Cys Leu Thr Lys Ile
35 40 45
Asn Tyr Gly Glu Val Pro Lys Ser Tyr Tyr Leu Cys Lys Gln Val
50 55 60
Arg Leu Gln Tyr Glu His Thr Arg Ser Val Gly Arg Gly Ser Ser Leu
65 70 75 80
Gln Val Glu Asn Glu Ile Leu Phe Pro Gly Cys Val Leu Arg Cys Pro
85 90 95
Glu Val Leu Gln His Leu Gln Pro Gly Ser Phe
100 105 107

<210> 1121
<211> 1241
<212>Amino acid
<213> Homo sapiens

<400> 1121
Pro Ala Ala Pro Glu His Thr Asp Pro Ser Glu Pro Arg Gly Ser Val
1 5 10 15
Ser Cys Cys Ser Leu Leu Arg Gly Leu Ser Ser Gly Trp Ser Ser Pro
20 25 30
Leu Leu Pro Ala Pro Val Cys Asn Pro Asn Lys Ala Ile Phe Thr Val
35 40 45
Asp Ala Lys Thr Thr Glu Ile Leu Val Ala Asn Asp Lys Ala Cys Gly
50 55 60
Leu Leu Gly Tyr Ser Ser Gln Asp Leu Ile Gly Gln Lys Leu Thr Gln
65 70 75 80
Phe Phe Leu Arg Ser Asp Ser Asp Val Val Glu Ala Leu Ser Glu Glu
85 90 95
His Met Glu Ala Asp Gly His Ala Ala Val Val Phe Gly Thr Val Val
100 105 110
Asp Ile Ile Ser Arg Ser Gly Glu Lys Ile Pro Val Ser Val Trp Met
115 120 125
Lys Arg Met Arg Gln Glu Arg Arg Leu Cys Cys Val Val Leu Glu
130 135 140
Pro Val Glu Arg Val Ser Thr Trp Val Ala Phe Gln Ser Asp Gly Thr
145 150 155 160
Val Thr Ser Cys Asp Ser Leu Phe Ala His Leu His Gly Tyr Val Ser
165 170 175
Gly Glu Asp Val Ala Gly Gln His Ile Thr Asp Leu Ile Pro Ser Val
180 185 190
Gln Leu Pro Pro Ser Gly Gln His Ile Pro Lys Asn Leu Lys Ile Gln

195	200	205
Arg Ser Val Gly Arg Ala Arg Asp Gly Thr Thr Phe Pro Leu Ser Leu		
210	215	220
Lys Leu Lys Ser Gln Pro Ser Ser Glu Glu Ala Thr Thr Gly Glu Ala		
225	230	235
Ala Pro Val Ser Gly Tyr Arg Ala Ser Val Trp Val Phe Cys Thr Ile		
245	250	255
Ser Gly Leu Ile Thr Leu Leu Pro Asp Gly Thr Ile His Gly Ile Asn		
260	265	270
His Ser Phe Ala Leu Thr Leu Phe Gly Tyr Gly Lys Thr Glu Leu Leu		
275	280	285
Gly Lys Asn Ile Thr Phe Leu Ile Pro Gly Phe Tyr Ser Tyr Met Asp		
290	295	300
Leu Ala Tyr Asn Ser Ser Leu Gln Leu Pro Asp Leu Ala Ser Cys Leu		
305	310	315
Asp Val Gly Asn Glu Ser Gly Cys Gly Glu Arg Thr Leu Asp Pro Trp		
325	330	335
Gln Gly Gln Asp Pro Ala Glu Gly Gly Gln Asp Pro Arg Ile Asn Val		
340	345	350
Val Leu Ala Gly Gly His Val Val Pro Arg Asp Glu Ile Arg Lys Leu		
355	360	365
Met Glu Ser Gln Asp Ile Phe Thr Gly Thr Gln Thr Glu Leu Ile Ala		
370	375	380
Gly Gly Gln Leu Leu Ser Cys Leu Ser Pro Gln Pro Ala Pro Gly Val		
385	390	395
Asp Asn Val Pro Glu Gly Ser Leu Pro Val His Gly Glu Gln Ala Leu		
405	410	415
Pro Lys Asp Gln Gln Ile Thr Ala Leu Gly Arg Glu Glu Pro Val Ala		
420	425	430
Ile Glu Ser Pro Gly Gln Asp Leu Leu Gly Glu Ser Arg Ser Glu Pro		
435	440	445
Val Asp Val Lys Pro Phe Ala Ser Cys Glu Asp Ser Glu Ala Pro Val		
450	455	460
Pro Ala Glu Asp Gly Gly Ser Asp Ala Gly Met Cys Gly Leu Cys Gln		
465	470	475
Lys Ala Gln Leu Glu Arg Met Gly Val Ser Gly Pro Ser Gly Ser Asp		
485	490	495
Leu Trp Ala Gly Ala Ala Val Ala Lys Pro Gln Ala Lys Gly Gln Leu		
500	505	510
Ala Gly Gly Ser Leu Leu Met His Cys Pro Cys Tyr Gly Ser Glu Trp		
515	520	525
Gly Leu Trp Trp Arg Ser Gln Asp Leu Ala Pro Ser Pro Ser Gly Met		
530	535	540
Ala Gly Leu Ser Phe Gly Thr Pro Thr Leu Asp Glu Pro Trp Leu Gly		
545	550	555
Val Glu Asn Asp Arg Glu Glu Leu Gln Thr Cys Leu Ile Lys Glu Gln		
565	570	575
Leu Ser Gln Leu Ser Leu Ala Gly Ala Leu Asp Val Pro His Ala Glu		
580	585	590
Leu Val Pro Thr Glu Cys Gln Ala Val Thr Ala Pro Val Ser Ser Cys		
595	600	605
Asp Leu Gly Gly Arg Asp Leu Cys Gly Gly Cys Thr Gly Ser Ser Ser		
610	615	620
Ala Cys Tyr Ala Leu Ala Thr Asp Leu Pro Gly Gly Leu Glu Ala Val		
625	630	635
Glu Ala Gln Glu Val Asp Val Asn Ser Phe Ser Trp Asn Leu Lys Glu		
645	650	655
Leu Phe Phe Ser Asp Gln Thr Asp Gln Thr Ser Ser Asn Cys Ser Cys		
660	665	670
Ala Thr Ser Glu Leu Arg Glu Thr Pro Ser Ser Leu Ala Val Gly Ser		
675	680	685
Asp Pro Asp Val Gly Ser Leu Gln Glu Gln Gly Ser Cys Val Leu Asp		
690	695	700
Asp Arg Glu Leu Leu Leu Leu Thr Gly Thr Cys Val Asp Leu Gly Gln		

705 710 715 720
 Gly Arg Arg Phe Arg Glu Ser Cys Val Gly His Asp Pro Thr Glu Pro
 725 730 735
 Leu Glu Val Cys Leu Val Ser Ser Glu His Tyr Ala Ala Ser Asp Arg
 740 745 750
 Glu Ser Pro Gly His Val Pro Ser Thr Leu Asp Ala Gly Pro Glu Asp
 755 760 765
 Thr Cys Pro Ser Ala Glu Glu Pro Arg Leu Asn Val Gln Val Thr Ser
 770 775 780
 Thr Pro Val Ile Val Met Arg Gly Ala Ala Gly Leu Gln Arg Glu Ile
 785 790 795 800
 Gln Glu Gly Ala Tyr Ser Gly Ser Cys Tyr His Arg Asp Gly Leu Arg
 805 810 815
 Leu Ser Ile Gln Phe Glu Val Arg Arg Val Glu Leu Gln Gly Pro Thr
 820 825 830
 Pro Leu Phe Cys Cys Trp Leu Val Lys Asp Leu Leu His Ser Gln Arg
 835 840 845
 Asp Ser Ala Ala Arg Thr Arg Leu Phe Leu Ala Ser Leu Pro Gly Ser
 850 855 860
 Thr His Ser Thr Ala Ala Glu Leu Thr Gly Pro Ser Leu Val Glu Val
 865 870 875 880
 Leu Arg Ala Arg Pro Trp Phe Glu Glu Pro Pro Lys Ala Val Glu Leu
 885 890 895
 Glu Gly Leu Ala Ala Cys Glu Gly Glu Tyr Ser Gln Lys Tyr Ser Thr
 900 905 910
 Met Ser Pro Leu Gly Ser Gly Ala Phe Gly Phe Val Trp Thr Ala Val
 915 920 925
 Asp Lys Glu Lys Asn Lys Glu Val Val Val Lys Phe Ile Lys Lys Glu
 930 935 940
 Lys Val Leu Glu Asp Cys Trp Ile Glu Asp Pro Lys Leu Gly Lys Val
 945 950 955 960
 Thr Leu Glu Ile Ala Ile Leu Ser Arg Val Glu His Ala Asn Ile Ile
 965 970 975
 Lys Val Leu Asp Ile Phe Glu Asn Gln Gly Phe Phe Gln Leu Val Met
 980 985 990
 Glu Lys His Gly Ser Gly Leu Asp Leu Phe Ala Phe Ile Asp Arg His
 995 1000 1005
 Pro Arg Leu Asp Glu Pro Leu Ala Ser Tyr Ile Phe Arg Gln Val Arg
 1010 1015 1020
 Ala Gly Gln Ser Arg Leu Val Ser Ala Val Gly Tyr Leu Arg Leu Lys
 1025 1030 1035 1040
 Asp Ile Ile His Arg Asp Ile Lys Asp Glu Asn Ile Val Ile Ala Glu
 1045 1050 1055
 Asp Phe Thr Ile Lys Leu Ile Asp Phe Gly Ser Ala Ala Tyr Leu Glu
 1060 1065 1070
 Arg Gly Lys Leu Phe Tyr Thr Phe Cys Gly Thr Ile Glu Tyr Cys Ala
 1075 1080 1085
 Pro Glu Val Leu Met Gly Asn Pro Tyr Arg Gly Pro Glu Leu Glu Met
 1090 1095 1100
 Trp Ser Leu Gly Val Thr Leu Tyr Thr Leu Val Phe Glu Glu Asn Pro
 1105 1110 1115 1120
 Phe Cys Glu Leu Glu Glu Thr Val Glu Ala Ala Ile His Pro Pro Tyr
 1125 1130 1135
 Leu Val Ser Lys Glu Leu Met Ser Leu Val Ser Gly Leu Leu Gln Pro
 1140 1145 1150
 Val Pro Glu Arg Arg Thr Thr Leu Glu Lys Leu Val Thr Asp Pro Trp
 1155 1160 1165
 Val Thr Gln Pro Val Asn Leu Ala Asp Tyr Thr Trp Glu Glu Val Phe
 1170 1175 1180
 Arg Val Asn Lys Pro Glu Ser Gly Val Leu Ser Ala Ala Ser Leu Glu
 1185 1190 1195 1200
 Met Gly Asn Arg Ser Leu Ser Asp Val Ala Gln Ala Gln Glu Leu Cys
 1205 1210 1215
 Gly Gly Pro Val Pro Gly Glu Ala Pro Asn Gly Gln Gly Cys Leu His

1220	1225	1230
Pro Gly Asp Pro Arg Leu Leu Thr Ser		
1235	12401241	

<210> 1122
 <211> 395
 <212>Amino acid
 <213> Homo sapiens

<400> 1122
 Pro Gly Thr Ser Ala Ala Thr Cys Arg Phe Leu Ser Pro Pro Val Ile
 1 5 10 15
 Ser Leu Ser Phe Thr Gly Leu Cys Ile Ser Asp Leu Val Val Ala Val
 20 25 30
 Asn Gly Val Trp Ile Leu Val Glu Thr Phe Met Leu Lys Gly Gly Asn
 35 40 45
 Phe Phe Ser Lys His Val Pro Trp Ser Tyr Leu Val Phe Leu Thr Ile
 50 55 60
 Tyr Gly Val Glu Leu Phe Leu Lys Val Ala Gly Leu Gly Pro Val Glu
 65 70 75 80
 Tyr Leu Ser Ser Gly Trp Asn Leu Phe Asp Phe Ser Val Thr Val Phe
 85 90 95
 Ala Phe Leu Gly Leu Leu Ala Leu Ala Leu Asn Met Glu Pro Phe Tyr
 100 105 110
 Phe Ile Val Val Leu Arg Pro Leu Gln Leu Leu Arg Leu Phe Lys Leu
 115 120 125
 Lys Glu Arg Tyr Arg Asn Val Leu Asp Thr Met Phe Glu Leu Leu Pro
 130 135 140
 Arg Met Ala Ser Leu Gly Leu Thr Leu Leu Ile Phe Tyr Tyr Ser Phe
 145 150 155 160
 Ala Ile Val Gly Met Glu Phe Phe Cys Gly Ile Val Phe Pro Asn Cys
 165 170 175
 Cys Asn Thr Ser Thr Val Ala Asp Ala Tyr Arg Trp Arg Asn His Thr
 180 185 190
 Val Gly Asn Arg Thr Val Val Glu Glu Gly Tyr Tyr Tyr Leu Asn Asn
 195 200 205
 Phe Asp Asn Ile Leu Asn Ser Phe Val Thr Leu Phe Glu Leu Thr Val
 210 215 220
 Val Asn Asn Trp Tyr Ile Ile Met Glu Gly Val Thr Ser Gln Thr Ser
 225 230 235 240
 His Trp Ser Arg Leu Tyr Phe Met Thr Phe Tyr Ile Val Thr Met Val
 245 250 255
 Val Met Thr Ile Ile Val Ala Phe Ile Leu Glu Ala Phe Val Phe Arg
 260 265 270
 Met Asn Tyr Ser Arg Lys Asn Gln Asp Ser Glu Val Asp Gly Gly Ile
 275 280 285
 Thr Leu Glu Lys Glu Ile Ser Lys Glu Glu Leu Val Ala Val Leu Glu
 290 295 300
 Leu Tyr Arg Glu Ala Arg Gly Ala Ser Ser Asp Val Thr Arg Leu Leu
 305 310 315 320
 Glu Thr Leu Ser Gln Met Glu Arg Tyr Gln Gln His Ser Met Val Phe
 325 330 335
 Leu Gly Arg Arg Ser Arg Thr Lys Ser Asp Leu Ser Leu Lys Met Tyr
 340 345 350
 Gln Glu Glu Ile Gln Glu Trp Tyr Glu Glu His Ala Arg Glu Gln Glu
 355 360 365
 Gln Gln Arg Gln Leu Ser Ser Ala Ala Pro Ala Ala Gln Gln Pro
 370 375 380
 Pro Gly Ser Arg Gln Arg Ser Gln Thr Val Thr

385

390

395

<210> 1123
<211> 328
<212>Amino acid
<213> Homo sapiens

<400> 1123
Leu Ala Gly Val Gly Thr Gln Ala Pro Pro Arg Arg Pro Gly Gly Glu
1 5 10 15
Met Ala Ala Gly Gln Asn Gly His Glu Glu Trp Val Gly Ser Ala Tyr
20 25 30
Leu Phe Val Glu Ser Ser Leu Asp Lys Val Val Leu Ser Asp Ala Tyr
35 40 45
Ala His Pro Gln Gln Lys Val Ala Val Tyr Arg Ala Leu Gln Ala Ala
50 55 60
Leu Ala Glu Ser Gly Gly Ser Pro Asp Val Leu Gln Met Leu Lys Ile
65 70 75 80
His Arg Ser Asp Pro Gln Leu Ile Val Gln Leu Arg Phe Cys Gly Arg
85 90 95
Gln Pro Cys Gly Arg Phe Leu Arg Ala Tyr Arg Glu Gly Ala Leu Arg
100 105 110
Ala Ala Leu Gln Arg Ser Leu Ala Ala Leu Ala Gln His Ser Val
115 120 125
Pro Leu Gln Leu Asp Leu Arg Ala Gly Ala Glu Arg Leu Glu Ala Leu
130 135 140
Leu Ala Asp Glu Glu Arg Cys Leu Ser Cys Ile Leu Ala Gln Gln Pro
145 150 155 160
Asp Arg Leu Arg Asp Glu Glu Leu Ala Glu Leu Glu Asp Ala Leu Arg
165 170 175
Asn Leu Lys Cys Gly Ser Gly Ala Arg Gly Gly Asp Gly Glu Val Ala
180 185 190
Ser Ala Pro Leu Gln Pro Pro Val Pro Ser Leu Ser Glu Val Lys Pro
195 200 205
Pro Pro Pro Pro Pro Ala Gln Thr Phe Leu Phe Gln Gly Gln Pro
210 215 220
Val Val Asn Arg Pro Leu Ser Leu Lys Asp Gln Gln Thr Phe Ala Arg
225 230 235 240
Ser Val Gly Leu Lys Trp Arg Lys Val Gly Arg Ser Leu Gln Arg Gly
245 250 255
Cys Arg Ala Leu Arg Asp Pro Ala Leu Asp Ser Leu Ala Tyr Glu Tyr
260 265 270
Glu Arg Glu Gly Leu Tyr Glu Gln Ala Phe Gln Leu Leu Arg Arg Phe
275 280 285
Val Gln Ala Glu Gly Arg Arg Ala Thr Leu Gln Arg Leu Val Glu Ala
290 295 300
Leu Glu Glu Asn Glu Leu Thr Ser Leu Ala Glu Asp Leu Leu Gly Leu
305 310 315 320
Thr Asp Pro Asn Gly Gly Leu Ala
325 328

<210> 1124
<211> 667
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1) . . . (667)

<223> X = any amino acid or stop code

<400> 1124

Ser Ser Lys Pro Lys Leu Lys Lys Arg Phe Ser Leu Arg Ser Val Gly
 1 5 10 15
 Arg Ser Val Arg Gly Ser Val Arg Gly Ile Leu Gln Trp Arg Gly Thr
 20 25 30
 Val Asp Pro Pro Ser Ser Ala Gly Pro Leu Glu Thr Ser Ser Gly Pro
 35 40 45
 Pro Val Leu Gly Gly Asn Ser Asn Ser Asn Ser Ser Gly Gly Ala Gly
 50 55 60
 Thr Val Gly Arg Gly Leu Val Ser Asp Gly Thr Ser Pro Gly Glu Arg
 65 70 75 80
 Trp Thr His Arg Phe Glu Arg Leu Arg Leu Ser Arg Gly Gly Ala
 85 90 95
 Leu Lys Asp Gly Ala Gly Met Val Gln Arg Glu Glu Leu Leu Ser Phe
 100 105 110
 Met Gly Ala Glu Glu Ala Ala Pro Asp Pro Ala Gly Val Gly Arg Gly
 115 120 125
 Gly Gly Val Ala Gly Pro Pro Ser Gly Gly Gly Gln Pro Gln Trp
 130 135 140
 Gln Lys Cys Arg Leu Leu Arg Ser Glu Gly Glu Gly Gly Gly
 145 150 155 160
 Ser Arg Leu Glu Phe Phe Val Pro Pro Lys Ala Ser Arg Pro Arg Leu
 165 170 175
 Ser Ile Pro Cys Ser Ser Ile Thr Asp Val Arg Thr Thr Thr Ala Leu
 180 185 190
 Glu Met Pro Asp Arg Glu Asn Thr Phe Val Val Lys Val Glu Gly Pro
 195 200 205
 Ser Glu Tyr Ile Met Glu Thr Val Asp Ala Gln His Val Lys Ala Trp
 210 215 220
 Val Ser Asp Ile Gln Glu Cys Leu Ser Pro Gly Pro Cys Pro Ala Thr
 225 230 235 240
 Ser Pro Arg Pro Met Thr Leu Pro Leu Ala Pro Gly Thr Ser Phe Leu
 245 250 255
 Thr Arg Glu Asn Thr Asp Ser Leu Glu Leu Ser Cys Leu Asn His Ser
 260 265 270
 Glu Ser Leu Pro Ser Gln Asp Leu Leu Leu Gly Pro Ser Glu Ser Asn
 275 280 285
 Asp Arg Leu Ser Gln Gly Ala Tyr Gly Gly Leu Ser Asp Arg Pro Ser
 290 295 300
 Ala Ser Ile Ser Pro Ser Ser Ala Ser Ile Ala Ala Ser His Phe Asp
 305 310 315 320
 Ser Met Glu Leu Leu Pro Pro Glu Leu Pro Pro Arg Ile Pro Ile Glu
 325 330 335
 Glu Gly Pro Pro Ala Gly Thr Val His Pro Leu Ser Ala Pro Tyr Pro
 340 345 350
 Pro Leu Asp Thr Pro Glu Thr Ala Thr Gly Ser Phe Leu Phe Gln Gly
 355 360 365
 Glu Pro Glu Gly Glu Gly Asp Gln Pro Leu Ser Gly Tyr Pro Trp
 370 375 380
 Phe His Gly Met Leu Ser Arg Leu Lys Ala Ala Gln Leu Val Leu Thr
 385 390 395 400
 Gly Gly Thr Gly Ser His Gly Val Phe Leu Val Arg Gln Ser Glu Thr
 405 410 415
 Arg Arg Gly Glu Tyr Val Leu Thr Phe Asn Phe Gln Gly Lys Ala Lys
 420 425 430
 His Leu Arg Leu Ser Leu Asn Glu Glu Gly Gln Cys Arg Val Gln His
 435 440 445

Leu Trp Phe Gln Ser Ile Phe Asp Met Leu Glu His Phe Arg Val His
 450 455 460
 Pro Ile Pro Leu Glu Ser Gly Gly Ser Ser Asp Val Val Leu Val Ser
 465 470 475 480
 Tyr Val Pro Ser Ser Gln Arg Gln Gln Gly Glu Gln Ser Arg Ser Ala
 485 490 495
 Gly Glu Glu Val Pro Val His Pro Arg Ser Glu Ala Gly Ser Arg Leu
 500 505 510
 Gly Ala Met Arg Gly Cys Ala Arg Glu Met Asp Ala Thr Pro Asn Ala
 515 520 525
 Ser Cys Thr Leu Met Pro Phe Gly Ala Ser Asp Cys Glu Pro Thr Thr
 530 535 540
 Ser His Asp Pro Pro Gln Pro Pro Glu Pro Pro Ser Trp Thr Asp Pro
 545 550 555 560
 Pro Gln Pro Gly Glu Glu Ala Ser Arg Ala Pro Gly Ser Gly Gly
 565 570 575
 Gln Gln Ala Ala Ala Ala Lys Glu Arg Gln Glu Lys Glu Lys Ala
 580 585 590
 Gly Gly Gly Val Pro Glu Glu Leu Val Pro Val Val Xaa Leu Val
 595 600 605
 Pro Val Gly Glu Leu Gly Glu Gly His Arg Pro Gln Ala Gln Glu Ala
 610 615 620
 Gln Gly Arg Leu Gly Pro Gly Gly Asp Ala Gly Val Pro Pro Met Val
 625 630 635 640
 Gln Leu Gln Gln Ser Pro Leu Gly Gly Asp Gly Glu Glu Gly Gly His
 645 650 655
 Pro Arg Ala Ile Asn Asn Gln Tyr Ser Phe Val
 660 665 667

<210> 1125
 <211> 387
 <212>Amino acid
 <213> Homo sapiens

<400> 1125
 Phe Arg Ala Pro Val Gly Thr Ala Ala Arg Ser Pro Gln Val Val Ile
 1 5 10 15
 Arg Arg Leu Pro Pro Gly Leu Thr Lys Glu Gln Leu Glu Glu Gln Leu
 20 25 30
 Arg Pro Leu Pro Ala His Asp Tyr Phe Glu Phe Ala Ala Asp Leu
 35 40 45
 Ser Leu Tyr Pro His Leu Tyr Ser Arg Ala Tyr Ile Asn Phe Arg Asn
 50 55 60
 Pro Asp Asp Ile Leu Leu Phe Arg Asp Arg Phe Asp Gly Tyr Ile Phe
 65 70 75 80
 Leu Asp Ser Lys Asp Pro Glu Tyr Lys Lys Phe Leu Glu Thr Tyr Cys
 85 90 95
 Val Glu Glu Glu Lys Thr Ser Ala Asn Pro Glu Thr Leu Leu Gly Glu
 100 105 110
 Met Glu Ala Lys Thr Arg Glu Leu Ile Ala Arg Arg Thr Thr Pro Leu
 115 120 125
 Leu Glu Tyr Ile Lys Asn Arg Lys Leu Glu Lys Gln Arg Ile Arg Glu
 130 135 140
 Glu Lys Arg Glu Glu Arg Arg Arg Arg Glu Leu Glu Lys Lys Arg Leu
 145 150 155 160
 Arg Glu Glu Glu Lys Arg Arg Arg Arg Glu Glu Glu Arg Cys Lys Lys
 165 170 175
 Lys Glu Thr Asp Lys Gln Lys Lys Ile Ala Glu Lys Glu Val Arg Ile
 180 185 190

Lys Leu Leu Lys Lys Pro Glu Lys Gly Glu Glu Pro Thr Thr Glu Lys
 195 200 205
 Pro Lys Glu Arg Gly Glu Glu Ile Asp Thr Gly Gly Lys Gln Glu
 210 215 220
 Ser Cys Ala Pro Gly Ala Val Val Lys Ala Arg Pro Met Glu Gly Ser
 225 230 235 240
 Leu Glu Glu Pro Gln Glu Thr Ser His Ser Gly Ser Asp Lys Glu His
 245 250 255
 Arg Asp Val Glu Arg Ser Gln Glu Gln Glu Ser Glu Ala Gln Arg Tyr
 260 265 270
 His Val Asp Asp Gly Arg Arg His Arg Ala His His Glu Pro Glu Arg
 275 280 285
 Leu Ser Arg Arg Ser Glu Asp Glu Gln Arg Trp Gly Lys Gly Pro Gly
 290 295 300
 Gln Asp Arg Gly Lys Lys Gly Ser Gln Asp Ser Gly Ala Pro Gly Glu
 305 310 315 320
 Ala Met Glu Arg Leu Gly Arg Ala Gln Arg Cys Asp Asp Ser Pro Ala
 325 330 335
 Pro Arg Lys Glu Arg Leu Ala Asn Lys Asp Arg Pro Ala Leu Gln Leu
 340 345 350
 Tyr Asp Pro Gly Ala Arg Phe Arg Ala Arg Glu Cys Gly Gly Asn Arg
 355 360 365
 Arg Ile Cys Lys Ala Glu Gly Ser Gly Thr Gly Pro Glu Lys Arg Glu
 370 375 380
 Glu Ala Glu
 385 387

<210> 1126
 <211> 208
 <212>Amino acid
 <213> Homo sapiens

<400> 1126
 Gly Val Trp Gly Val Cys Val Ser Gly Leu Leu Gln Val Gly Ser Gln
 1 5 10 15
 Arg Ala Gln Ala Trp Arg Ala Trp Ser Pro Met Glu Thr Pro Leu Thr
 20 25 30
 Gly Thr Phe Leu Trp Pro His Ile Pro Gln Gly Leu Phe Phe Asp Asp
 35 40 45
 Ser Tyr Gly Phe Tyr Pro Gly Gln Val Leu Ile Gly Pro Ala Lys Ile
 50 55 60
 Phe Ser Ser Val Gln Trp Leu Ser Gly Val Lys Pro Val Leu Ser Thr
 65 70 75 80
 Lys Ser Lys Phe Arg Val Val Val Glu Glu Val Gln Val Val Glu Leu
 85 90 95
 Lys Val Thr Trp Ile Thr Lys Ser Phe Cys Pro Gly Gly Thr Asp Ser
 100 105 110
 Val Ser Pro Pro Pro Ser Val Ile Thr Gln Glu Asn Leu Gly Arg Val
 115 120 125
 Lys Arg Leu Gly Cys Phe Asp His Ala Gln Arg His Ala Trp Gly Ala
 130 135 140
 Leu Ser Val Cys Leu Pro Ser Gln Gly Arg Ala Ser Gln Asp Cys Leu
 145 150 155 160
 Gly Met Ser Arg Lys Lys Leu Arg Pro Gly Gly Gly Leu Tyr Gly Gln
 165 170 175
 Glu Gly Glu Ala Pro Val Glu Glu Ala Gly Cys Ala Asp His Val Met
 180 185 190
 Leu Pro Arg His Pro Val Phe Pro Gly Pro Phe His Gly Arg Pro Arg
 195 200 205 208

<210> 1127
 <211> 670
 <212>Amino acid
 <213> Homo sapiens

<400> 1127
 Phe Arg Asp Ser Ser Pro Cys Ser Ala Phe Glu Phe His Cys Leu Ser
 1 5 10 15
 Gly Glu Cys Ile His Ser Ser Trp Arg Cys Asp Gly Gly Pro Asp Cys
 20 25 30
 Lys Asp Lys Ser Asp Glu Glu Asn Cys Ala Val Ala Thr Cys Arg Pro
 35 40 45
 Asp Glu Phe Gln Cys Ser Asp Gly Asn Cys Ile His Gly Ser Arg Gln
 50 55 60
 Cys Asp Arg Glu Tyr Asp Cys Lys Asp Met Ser Asp Glu Val Gly Cys
 65 70 75 80
 Val Asn Val Thr Leu Cys Glu Gly Pro Asn Lys Phe Lys Cys His Ser
 85 90 95
 Gly Glu Cys Ile Thr Leu Asp Lys Val Cys Asn Met Ala Arg Asp Cys
 100 105 110
 Arg Asp Trp Ser Asp Glu Pro Ile Lys Glu Cys Gly Thr Asn Glu Cys
 115 120 125
 Leu Asp Asn Asn Gly Gly Cys Ser His Val Cys Asn Asp Leu Lys Ile
 130 135 140
 Gly Tyr Glu Cys Leu Cys Pro Asp Gly Phe Gln Leu Val Ala Gln Arg
 145 150 155 160
 Arg Cys Glu Asp Ile Asp Glu Cys Gln Asp Pro Asp Thr Cys Ser Gln
 165 170 175
 Leu Cys Val Asn Leu Glu Gly Gly Tyr Lys Cys Gln Cys Glu Glu Gly
 180 185 190
 Phe Gln Leu Asp Pro His Thr Lys Ala Cys Lys Ala Val Gly Ser Ile
 195 200 205
 Ala Tyr Leu Phe Phe Thr Asn Arg His Glu Val Arg Lys Met Thr Leu
 210 215 220
 Asp Arg Ser Glu Tyr Thr Ser Leu Ile Pro Asn Leu Arg Asn Val Val
 225 230 235 240
 Ala Leu Asp Thr Glu Val Ala Ser Asn Arg Ile Tyr Trp Ser Asp Leu
 245 250 255
 Ser Gln Arg Met Ile Cys Ser Thr Gln Leu Asp Arg Ala His Gly Val
 260 265 270
 Ser Ser Tyr Asp Thr Val Ile Ser Arg Asp Ile Gln Ala Pro Asp Gly
 275 280 285
 Leu Ala Val Asp Trp Ile His Ser Asn Ile Tyr Trp Thr Asp Ser Val
 290 295 300
 Leu Gly Thr Val Ser Val Ala Asp Thr Lys Gly Val Lys Arg Lys Thr
 305 310 315 320
 Leu Phe Arg Glu Asn Gly Ser Lys Pro Arg Ala Ile Val Val Asp Pro
 325 330 335
 Val His Gly Phe Met Tyr Trp Thr Asp Trp Gly Thr Pro Ala Lys Ile
 340 345 350
 Lys Lys Gly Gly Leu Asn Gly Val Asp Ile Tyr Ser Leu Val Thr Glu
 355 360 365
 Asn Ile Gln Trp Pro Asn Gly Ile Thr Leu Asp Leu Leu Ser Gly Arg
 370 375 380
 Leu Tyr Trp Val Asp Ser Lys Leu His Ser Ile Ser Ser Ile Asp Val
 385 390 395 400

Asn Gly Gly Asn Arg Lys Thr Ile Leu Glu Asp Glu Lys Arg Leu Ala
 405 410 415
 His Pro Phe Ser Leu Ala Val Phe Glu Asp Lys Val Phe Trp Thr Asp
 420 425 430
 Ile Ile Asn Glu Ala Ile Phe Ser Ala Asn Arg Leu Thr Gly Ser Asp
 435 440 445
 Val Asn Leu Leu Ala Glu Asn Leu Leu Ser Pro Glu Asp Met Val Leu
 450 455 460
 Phe His Asn Leu Thr Gln Pro Arg Gly Val Asn Trp Cys Glu Arg Thr
 465 470 475 480
 Thr Leu Ser Asn Gly Gly Cys Gln Tyr Leu Cys Leu Pro Ala Pro Gln
 485 490 495
 Ile Asn Pro His Ser Pro Lys Phe Thr Cys Ala Cys Pro Asp Gly Met
 500 505 510
 Leu Leu Ala Arg Asp Met Arg Ser Cys Leu Thr Glu Gly Glu Ala Ala
 515 520 525
 Val Ala Thr Gln Glu Thr Ser Thr Val Arg Leu Lys Val Ser Ser Thr
 530 535 540
 Ala Val Arg Thr Gln His Thr Thr Arg Pro Val Pro Asp Thr Ser
 545 550 555 560
 Arg Leu Pro Gly Ala Thr Pro Gly Leu Thr Thr Val Glu Ile Val Thr
 565 570 575
 Met Ser His Gln Ala Leu Gly Asp Val Ala Gly Arg Gly Asn Glu Lys
 580 585 590
 Lys Pro Ser Ser Val Arg Ala Leu Ser Ile Val Leu Pro Ile Val Leu
 595 600 605
 Leu Val Phe Leu Cys Leu Gly Val Phe Leu Leu Trp Lys Asn Trp Arg
 610 615 620
 Leu Lys Asn Ile Asn Ser Ile Asn Phe Asp Asn Pro Val Tyr Gln Lys
 625 630 635 640
 Thr Thr Glu Asp Glu Val His Ile Cys His Asn Gln Asp Gly Tyr Ser
 645 650 655
 Tyr Pro Ser Arg Gln Met Val Ser Leu Glu Asp Asp Val Ala
 660 665 670

<210> 1128
 <211> 383
 <212>Amino acid
 <213> Homo sapiens

<400> 1128
 Arg Ile Pro Gly Leu Gly Pro Pro Gly Ser Pro Pro Pro Pro Pro His
 1 5 10 15
 Val Arg Gly Met Pro Gly Cys Pro Cys Pro Gly Cys Gly Met Ala Gly
 20 25 30
 Pro Arg Leu Leu Phe Leu Thr Ala Leu Ala Leu Glu Leu Leu Gly Arg
 35 40 45
 Ala Gly Gly Ser Gln Pro Ala Leu Arg Ser Arg Gly Thr Ala Thr Ala
 50 55 60
 Cys Arg Leu Asp Asn Lys Glu Ser Glu Ser Trp Gly Ala Leu Leu Ser
 65 70 75 80
 Gly Glu Arg Leu Asp Thr Trp Ile Cys Ser Leu Leu Gly Ser Leu Met
 85 90 95
 Val Gly Leu Ser Gly Val Phe Pro Leu Leu Val Ile Pro Leu Glu Met
 100 105 110
 Gly Thr Met Leu Arg Ser Glu Ala Gly Ala Trp Arg Leu Lys Gln Leu
 115 120 125
 Leu Ser Phe Ala Leu Gly Gly Leu Leu Gly Asn Val Phe Leu His Leu
 130 135 140

Leu Pro Glu Ala Trp Ala Tyr Thr Cys Ser Ala Ser Pro Gly Gly Glu
 145 150 155 160
 Gly Gln Ser Leu Gln Gln Gln Gln Leu Gly Leu Trp Val Ile Ala
 165 170 175
 Gly Ile Leu Thr Phe Leu Ala Leu Glu Lys Met Phe Leu Asp Ser Lys
 180 185 190
 Glu Glu Gly Thr Ser Gln Ala Pro Asn Lys Asp Pro Thr Ala Ala Ala
 195 200 205
 Ala Ala Leu Asn Gly Gly His Cys Leu Ala Gln Pro Ala Ala Glu Pro
 210 215 220
 Gly Leu Gly Ala Val Val Arg Ser Ile Lys Val Ser Gly Tyr Leu Asn
 225 230 235 240
 Leu Leu Ala Asn Thr Ile Asp Asn Phe Thr His Gly Leu Ala Val Ala
 245 250 255
 Ala Ser Phe Leu Val Ser Lys Lys Ile Gly Leu Leu Thr Thr Met Ala
 260 265 270
 Ile Leu Leu His Glu Ile Pro His Glu Val Gly Asp Phe Ala Ile Leu
 275 280 285
 Leu Arg Ala Gly Phe Asp Arg Trp Ser Ala Ala Lys Leu Gln Leu Ser
 290 295 300
 Thr Ala Leu Gly Gly Leu Leu Gly Ala Gly Phe Ala Ile Cys Thr Gln
 305 310 315 320
 Ser Pro Lys Gly Val Glu Glu Thr Ala Ala Trp Val Leu Pro Phe Thr
 325 330 335
 Ser Gly Gly Phe Leu Tyr Ile Ala Leu Val Asn Val Leu Pro Asp Leu
 340 345 350
 Leu Glu Glu Glu Asp Pro Trp Arg Ser Leu Gln Gln Leu Leu Leu Leu
 355 360 365
 Cys Ala Gly Ile Val Val Met Val Leu Phe Ser Leu Phe Val Asp
 370 375 380 383

<210> 1129
 <211> 174
 <212>Amino acid
 <213> Homo sapiens

<400> 1129
 Gly Lys Val Ser Ala Gly Gln Ala Gly Ala Asp Arg Thr Leu Arg Arg
 1 5 10 15
 Ala Pro Glu Pro Arg Phe Ser Gln Glu Pro Thr Gly Asn Ser Ala Tyr
 20 25 30
 Pro Gln Leu Arg Pro Phe Leu Asp Pro Gln Gly Arg Asp Leu Lys Pro
 35 40 45
 Ser Ala Leu Val Pro Pro Thr Arg Ser His Thr Gly Arg Arg Pro Trp
 50 55 60
 Leu His Thr Gln Pro Leu Pro Gly Pro Gln Gly Arg Ala Trp Gly Pro
 65 70 75 80
 Thr Cys Thr Pro Ala Cys Val Asp Arg Val Leu Glu Ser Glu Glu Gly
 85 90 95
 Arg Arg Glu Tyr Leu Ala Phe Pro Thr Ser Lys Ser Ser Gly Gln Lys
 100 105 110
 Gly Arg Lys Glu Leu Leu Lys Gly Asn Gly Arg Arg Ile Asp Tyr Met
 115 120 125
 Leu His Ala Glu Glu Gly Leu Cys Pro Asp Trp Lys Ala Glu Val Glu
 130 135 140
 Glu Phe Ser Phe Ile Thr Gln Leu Ser Gly Leu Thr Asp His Leu Pro
 145 150 155 160
 Val Ala Met Arg Leu Met Val Ser Ser Gly Glu Glu Glu Ala
 165 170 174

<210> 1130
<211> 231
<212>Amino acid
<213> Homo sapiens

<400> 1130
Pro Cys Gly Gly Ile Arg Leu Ser Ala Ser Glu Ala Ala Thr Leu Phe
1 5 10 15
Gly Tyr Leu Val Val Pro Ala Gly Gly Gly Gly Thr Phe Leu Gly Gly
20 25 30
Phe Phe Val Asn Lys Leu Arg Leu Arg Gly Ser Ala Val Ile Lys Phe
35 40 45
Cys Leu Phe Cys Thr Val Val Ser Leu Leu Gly Ile Leu Val Phe Ser
50 55 60
Leu His Cys Pro Ser Val Pro Met Ala Gly Val Thr Ala Ser Tyr Gly
65 70 75 80
Gly Ser Leu Leu Pro Glu Gly His Leu Asn Leu Thr Ala Pro Cys Asn
85 90 95
Ala Ala Cys Ser Cys Gln Pro Glu His Tyr Ser Pro Val Cys Gly Ser
100 105 110
Asp Gly Leu Met Tyr Phe Ser Leu Cys His Ala Gly Cys Pro Ala Ala
115 120 125
Thr Glu Thr Asn Val Asp Gly Gln Lys Val Ser Gly Ala Ala Ala Tyr
130 135 140
Arg Pro Cys Pro Pro Leu Asp Pro Gly Lys Gly Pro Pro Cys Leu Pro
145 150 155 160
Leu Val Ile Gly Ala Ile Val Gly Leu Pro Arg Cys Thr Glu Thr Val
165 170 175
Ala Val Ser Leu Arg Ile Phe Pro Leu Val Leu Ala Met His Cys Arg
180 185 190
Glu Met His Phe Asn Leu Ser Glu Lys Ala Pro Pro Ser Gly Phe His
195 200 205
Ile Arg Cys Asn Phe Leu Tyr Ile Pro Gln Gln His Ser Cys Thr Asn
210 215 220
Gly Asn Ser Thr Met Cys Pro
225 230 231

<210> 1131
<211> 234
<212>Amino acid
<213> Homo sapiens

<400> 1131
Leu Leu Arg Lys Val Gly Ala Pro Gly Gly Ala Arg Gly Val Ile Arg
1 5 10 15
Leu Leu Asp Trp Phe Glu Arg Pro Asp Gly Phe Leu Leu Val Leu Glu
20 25 30
Arg Pro Glu Pro Ala Gln Asp Leu Phe Asp Phe Ile Thr Glu Arg Gly
35 40 45
Ala Leu Asp Glu Pro Leu Ala Arg Arg Phe Phe Ala Gln Val Leu Ala
50 55 60
Ala Val Arg His Cys His Ser Cys Gly Val Val His Arg Asp Ile Lys
65 70 75 80

Asp Glu Asn Leu Leu Val Asp Leu Arg Ser Gly Glu Leu Lys Leu Ile
 85 90 95
 Asp Phe Gly Ser Gly Ala Leu Leu Lys Asp Thr Val Tyr Thr Asp Phe
 100 105 110
 Asp Gly Thr Arg Val Tyr Ser Pro Pro Glu Trp Ile Arg Tyr His Arg
 115 120 125
 Tyr His Gly Arg Ser Ala Thr Val Trp Ser Leu Gly Val Leu Leu Tyr
 130 135 140
 Asp Met Val Cys Gly Asp Ile Pro Phe Glu Gln Asp Glu Glu Ile Leu
 145 150 155 160
 Arg Gly Arg Leu Leu Phe Arg Arg Arg Val Ser Pro Glu Cys Gln Gln
 165 170 175
 Leu Ile Arg Trp Cys Leu Ser Leu Arg Pro Ser Glu Arg Pro Ser Leu
 180 185 190
 Asp Gln Ile Ala Ala His Pro Trp Met Leu Gly Ala Asp Gly Gly Ala
 195 200 205
 Pro Glu Ser Cys Asp Leu Arg Leu Cys Thr Leu Asp Pro Asp Asp Val
 210 215 220
 Ala Ser Thr Thr Ser Ser Glu Ser Leu
 225 230 234

<210> 1132
 <211> 270
 <212>Amino acid
 <213> Homo sapiens

<400> 1132
 Gly Lys Asn Ser Gln Lys Ala Ser Pro Val Asp Asp Glu Gln Leu Ser
 1 5 10 15
 Val Cys Leu Ser Gly Phe Leu Asp Glu Val Met Lys Lys Tyr Gly Ser
 20 25 30
 Leu Val Pro Leu Ser Glu Lys Glu Val Leu Gly Arg Leu Lys Asp Val
 35 40 45
 Phe Asn Glu Asp Phe Ser Asn Arg Lys Pro Phe Ile Asn Arg Glu Ile
 50 55 60
 Thr Asn Tyr Arg Ala Arg His Gln Lys Cys Asn Phe Arg Ile Phe Tyr
 65 70 75 80
 Asn Lys His Met Leu Asp Met Asp Asp Leu Ala Thr Leu Asp Gly Gln
 85 90 95
 Asn Trp Leu Asn Asp Gln Val Ile Asn Met Tyr Gly Glu Leu Ile Met
 100 105 110
 Asp Ala Val Pro Asp Lys Val His Phe Phe Asn Ser Phe Phe His Arg
 115 120 125
 Gln Leu Val Thr Lys Gly Tyr Asn Gly Val Lys Arg Trp Thr Lys Lys
 130 135 140
 Val Asp Leu Phe Lys Lys Ser Leu Leu Leu Ile Pro Ile His Leu Glu
 145 150 155 160
 Val His Trp Ser Leu Ile Thr Val Thr Leu Ser Asn Arg Ile Ile Ser
 165 170 175
 Phe Tyr Asp Ser Gln Gly Ile His Phe Lys Phe Cys Val Glu Asn Ile
 180 185 190
 Arg Lys Tyr Leu Leu Thr Glu Ala Arg Glu Lys Asn Arg Leu Asn Leu
 195 200 205
 Gln Gly Trp Gln Thr Ala Val Thr Lys Cys Ile Pro Gln Gln Lys Asn
 210 215 220
 Asp Ser Asp Cys Gly Val Phe Val Leu Gln Tyr Cys Lys Cys Leu Ala
 225 230 235 240
 Leu Lys Gln Pro Phe Gln Phe Ser Gln Glu Asp Met Pro Arg Val Arg
 245 250 255

Lys Arg Ile Tyr Lys Glu Leu Cys Glu Cys Arg Leu Met Asp
 260 265 270

<210> 1133
 <211> 204
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(204)
 <223> X = any amino acid or stop code

<400> 1133
 Pro Pro Gly Gly Xaa Gln Gly Ser Ala Ala Lys His Arg Phe Pro Lys
 1 5 10 15
 Gly Tyr Arg His Pro Ala Leu Glu Ala Arg Leu Gly Arg Arg Arg Thr
 20 25 30
 Val Gln Glu Ala Arg Ala Leu Leu Arg Cys Arg Arg Ala Gly Ile Ser
 35 40 45
 Ala Pro Val Val Phe Phe Val Asp Tyr Ala Ser Asn Cys Leu Tyr Met
 50 55 60
 Glu Glu Ile Glu Gly Ser Val Thr Val Arg Asp Tyr Ile Gln Ser Thr
 65 70 75 80
 Met Glu Thr Glu Lys Thr Pro Gln Gly Leu Ser Asn Leu Ala Lys Thr
 85 90 95
 Ile Gly Gln Val Leu Ala Arg Met His Asp Glu Asp Leu Ile His Gly
 100 105 110
 Asp Leu Thr Thr Ser Asn Met Leu Leu Lys Pro Pro Leu Glu Gln Leu
 115 120 125
 Asn Ile Val Leu Ile Asp Phe Gly Leu Ser Phe Ile Ser Ala Leu Pro
 130 135 140
 Glu Asp Lys Gly Val Asp Leu Tyr Val Leu Glu Lys Ala Phe Leu Ser
 145 150 155 160
 Thr His Pro Asn Thr Glu Thr Val Phe Glu Ala Phe Leu Lys Ser Tyr
 165 170 175
 Ser Thr Ser Ser Lys Lys Ala Arg Pro Val Leu Lys Lys Leu Asp Glu
 180 185 190
 Val Arg Leu Arg Gly Lys Lys Arg Ser Met Val Gly
 195 200 204

<210> 1134
 <211> 531
 <212>Amino acid
 <213> Homo sapiens

<400> 1134
 Arg Ala Cys Val Phe Arg Pro Glu Asp Met Met Gln Gly Glu Ala His
 1 5 10 15
 Pro Ser Ala Ser Leu Ile Asp Arg Thr Ile Lys Met Arg Lys Glu Thr
 20 25 30
 Glu Ala Arg Lys Val Val Leu Ala Trp Gly Leu Leu Asn Val Ser Met
 35 40 45
 Ala Gly Met Ile Tyr Thr Glu Met Thr Gly Lys Leu Ile Ser Ser Tyr

50	55	60
Tyr Asn Val Thr Tyr Trp Pro Leu Trp Tyr Ile Glu Leu Ala Leu Ala		
65	70	75
Ser Leu Phe Ser Leu Asn Ala Leu Phe Asp Phe Trp Arg Tyr Phe Lys		80
85	90	95
Tyr Thr Val Ala Pro Thr Ser Leu Val Val Ser Pro Gly Gln Gln Thr		
100	105	110
Leu Leu Gly Leu Lys Thr Ala Val Val Gln Thr Thr Pro Pro His Asp		
115	120	125
Leu Ala Ala Thr Gln Ile Pro Pro Ala Pro Pro Ser Pro Ser Ile Gln		
130	135	140
Gly Gln Ser Val Leu Ser Tyr Ser Pro Ser Arg Ser Pro Ser Thr Ser		
145	150	155
Pro Lys Phe Thr Thr Ser Cys Met Thr Gly Tyr Ser Pro Gln Leu Gln		160
165	170	175
Gly Leu Ser Ser Gly Gly Ser Gly Ser Tyr Ser Pro Gly Val Thr Tyr		
180	185	190
Ser Pro Val Ser Gly Tyr Asn Lys Leu Ala Ser Phe Ser Pro Ser Pro		
195	200	205
Pro Ser Pro Tyr Pro Thr Thr Val Gly Pro Val Glu Ser Ser Gly Leu		
210	215	220
Arg Ser Arg Tyr Arg Ser Ser Pro Thr Val Tyr Asn Ser Pro Thr Asp		
225	230	235
Lys Glu Asp Tyr Met Thr Asp Leu Arg Thr Leu Asp Thr Phe Leu Arg		
245	250	255
Ser Glu Glu Glu Lys Gln His Arg Val Lys Leu Gly Ser Pro Asp Ser		
260	265	270
Thr Ser Pro Ser Ser Pro Thr Phe Trp Asn Tyr Ser Arg Ser Met		
275	280	285
Gly Asp Tyr Ala Gln Thr Leu Lys Lys Phe Gln Tyr Gln Leu Ala Cys		
290	295	300
Arg Ser Gln Ala Pro Cys Ala Asn Lys Asp Glu Ala Asp Leu Ser Ser		
305	310	315
Lys Gln Ala Ala Glu Glu Val Trp Ala Arg Val Ala Met Asn Arg Gln		320
325	330	335
Leu Leu Asp His Met Asp Ser Trp Thr Ala Lys Phe Arg Asn Trp Ile		
340	345	350
Asn Glu Thr Ile Leu Val Pro Leu Val Gln Glu Ile Glu Ser Val Ser		
355	360	365
Thr Gln Met Arg Arg Met Gly Cys Pro Glu Leu Gln Ile Gly Glu Ala		
370	375	380
Ser Ile Thr Ser Leu Lys Gln Ala Ala Leu Val Lys Ala Pro Leu Ile		
385	390	395
Pro Thr Leu Asn Thr Ile Val Gln Tyr Leu Asp Leu Thr Pro Asn Gln		
405	410	415
Glu Tyr Leu Phe Glu Arg Ile Lys Glu Leu Ser Gln Gly Gly Cys Met		
420	425	430
Ser Ser Phe Arg Trp Asn Arg Gly Gly Asp Phe Lys Gly Arg Lys Trp		
435	440	445
Asp Thr Asp Leu Pro Thr Asp Ser Ala Ile Ile Met His Val Phe Cys		
450	455	460
Thr Tyr Leu Asp Ser Arg Leu Pro Pro His Pro Lys Tyr Pro Asp Gly		
465	470	475
Lys Thr Phe Thr Ser Gln His Phe Val Gln Thr Pro Asn Lys Pro Asp		
485	490	495
Val Thr Asn Glu Asn Val Phe Cys Ile Tyr Gln Ser Ala Ile Asn Pro		
500	505	510
Pro His Tyr Glu Leu Ile Tyr Gln Arg His Val Tyr Ile Pro Ala Lys		
515	520	525
Gly Gln Lys		
530	531	

<211> 508
 <212>Amino acid
 <213> Homo sapiens

<400> 1135

Ser Ser Ala Val Glu Phe Ile Asn Arg Asn Asn Ser Val Val Gln Val
 1 5 10 15
 Leu Leu Ala Ala Gly Ala Asp Pro Asn Leu Gly Asp Asp Phe Ser Ser
 20 25 30
 Val Tyr Lys Thr Ala Lys Glu Gln Gly Ile His Ser Leu Glu Val Leu
 35 40 45
 Ile Thr Arg Glu Asp Asp Phe Asn Asn Arg Leu Asn Asn Arg Ala Ser
 50 55 60
 Phe Lys Gly Cys Thr Ala Leu His Tyr Ala Val Leu Ala Asp Asp Tyr
 65 70 75 80
 Arg Thr Val Lys Glu Leu Leu Asp Gly Gly Ala Asn Pro Leu Gln Arg
 85 90 95
 Asn Glu Met Gly His Thr Pro Leu Asp Tyr Ala Arg Glu Gly Glu Val
 100 105 110
 Met Lys Leu Leu Arg Thr Ser Glu Ala Lys Tyr Gln Glu Lys Gln Arg
 115 120 125
 Lys Arg Glu Ala Glu Glu Arg Arg Arg Phe Pro Leu Glu Gln Arg Leu
 130 135 140
 Lys Glu His Ile Ile Gly Gln Glu Ser Ala Ile Ala Thr Val Gly Ala
 145 150 155 160
 Ala Ile Arg Arg Lys Glu Asn Gly Trp Tyr Asp Glu Glu His Pro Leu
 165 170 175
 Val Phe Leu Phe Leu Gly Ser Ser Gly Ile Gly Lys Thr Glu Leu Ala
 180 185 190
 Lys Gln Thr Ala Lys Tyr Met His Lys Asp Ala Lys Lys Gly Phe Ile
 195 200 205
 Arg Leu Asp Met Ser Glu Phe Gln Glu Arg His Glu Val Ala Lys Phe
 210 215 220
 Ile Gly Ser Pro Pro Gly Tyr Val Gly His Glu Glu Gly Gln Leu
 225 230 235 240
 Thr Lys Lys Leu Lys Gln Cys Pro Asn Ala Val Val Leu Phe Asp Glu
 245 250 255
 Val Asp Lys Ala His Pro Asp Val Leu Thr Ile Met Leu Gln Leu Phe
 260 265 270
 Asp Glu Gly Arg Leu Thr Asp Gly Lys Gly Lys Thr Ile Asp Cys Lys
 275 280 285
 Asp Ala Ile Phe Ile Met Thr Ser Asn Val Ala Ser Asp Glu Ile Ala
 290 295 300
 Gln His Ala Leu Gln Leu Arg Gln Glu Ala Leu Glu Met Ser Arg Asn
 305 310 315 320
 Arg Ile Ala Glu Asn Leu Gly Asp Val Gln Ile Ser Asp Lys Ile Thr
 325 330 335
 Ile Ser Lys Asn Phe Lys Glu Asn Val Ile Arg Pro Ile Leu Lys Ala
 340 345 350
 His Phe Arg Arg Asp Glu Phe Leu Gly Arg Ile Asn Glu Ile Val Tyr
 355 360 365
 Phe Leu Pro Phe Cys His Ser Glu Leu Ile Gln Leu Val Asn Lys Glu
 370 375 380
 Leu Asn Phe Trp Ala Lys Arg Ala Lys Gln Arg His Asn Ile Thr Leu
 385 390 395 400
 Leu Trp Asp Arg Glu Val Ala Asp Val Leu Val Asp Gly Tyr Asn Val
 405 410 415
 His Tyr Gly Ala Arg Ser Ile Lys His Glu Val Glu Arg Arg Val Gly
 420 425 430
 Asn Gln Leu Ala Ala Tyr Glu Gln Asp Leu Leu Pro Gly Gly Cys

435	440	445
Thr Leu Arg Ile Thr Val Glu Asp Ser Asp Lys Gln Leu Leu Lys Ser		
450	455	460
Pro Glu Leu Pro Ser Pro Gln Ala Glu Lys Arg Leu Pro Lys Leu Arg		
465	470	475
Leu Glu Ile Ile Asp Asp Ser Lys Thr Arg Arg Leu Asp Ile Arg		
485	490	495
Ala Pro Leu His Pro Glu Lys Val Cys Asn Thr Ile		
500	505	508

<210> 1136
<211> 81
<212>Amino acid
<213> Homo sapiens

<400> 1136		
Ser Ser Cys Asp Arg Glu Arg His Gly Ser Leu Gly Met Met Ser Gly		
1	5	10
Ser Phe Ile Leu Cys Leu Ala Leu Val Thr Arg Trp Ser Pro Gln Ala		
20	25	30
Ser Ser Val Pro Leu Ala Val Tyr Glu Ser Lys Thr Arg Lys Ser Tyr		
35	40	45
Arg Ser Gln Arg Asp Arg Asp Gly Lys Asp Arg Ser Gln Gly Met Gly		
50	55	60
Leu Ser Leu Leu Val Glu Thr Arg Lys Leu Leu Leu Ser Ala Asn Gln		
65	70	75
Gly		
81		

<210> 1137
<211> 260
<212>Amino acid
<213> Homo sapiens

<400> 1137		
His Thr Pro Met Ala Phe Phe Leu Ser Phe Leu Ser Thr Ser Glu Thr		
1	5	10
Val Tyr Thr Phe Val Ile Leu Pro Lys Met Leu Ile Asn Leu Leu Ser		
20	25	30
Val Ala Arg Thr Ile Ser Phe Asn Cys Cys Ala Leu Gln Met Phe Phe		
35	40	45
Phe Leu Gly Phe Ala Ile Thr Asn Cys Leu Leu Leu Gly Val Met Gly		
50	55	60
Tyr Asp Arg Tyr Ala Ala Ile Cys His Pro Leu His Tyr Pro Thr Leu		
65	70	75
Met Ser Trp Gln Val Cys Gly Lys Leu Ala Ala Ala Cys Ala Ile Gly		
85	90	95
Gly Phe Leu Ala Ser Leu Thr Val Val Asn Leu Val Phe Ser Leu Pro		
100	105	110
Phe Cys Ser Thr Asn Lys Val Asn His Tyr Phe Cys Asp Ile Ser Ala		
115	120	125
Val Ile Leu Leu Ala Cys Thr Asn Thr Asp Val Asn Gly Phe Val Ile		
130	135	140
Phe Ile Cys Gly Val Leu Val Val Pro Phe Leu Phe Ile Cys		

145	150	155	160
Val Ser Tyr Phe Cys Ile Leu Arg Thr Ile Leu Lys Ile Pro Ser Ala			
165	170	175	
Glu Gly Arg Arg Lys Ala Phe Ser Thr Cys Ala Ser His Leu Ser Val			
180	185	190	
Val Ile Val His Tyr Gly Cys Ala Ser Phe Ile Tyr Leu Arg Pro Thr			
195	200	205	
Ala Asn Tyr Val Ser Asn Lys Asp Arg Leu Val Thr Val Thr Tyr Thr			
210	215	220	
Ile Val Thr Pro Leu Leu Asn Pro Met Val Tyr Ser Leu Arg Asn Lys			
225	230	235	240
Asp Val Gln Leu Ala Ile Arg Lys Val Leu Gly Lys Lys Gly Ser Leu			
245	250	255	
Lys Leu Tyr Asn			
260			

<210> 1138
 <211> 393
 <212>Amino acid
 <213> Homo sapiens

<400> 1138			
Arg Pro Pro Ala Ala Thr Arg Tyr Pro Arg Glu Lys Leu Lys Ser Met			
1	5	10	15
Thr Ser Arg Asp Asn Tyr Lys Ala Gly Ser Arg Glu Ala Ala Ala Ala			
20	25	30	
Ala Ala Ala Ala Val Ala			
35	40	45	
Pro Tyr Pro Val Ser Gly Ala Lys Arg Lys Tyr Leu Glu Asp Ser Asp			
50	55	60	
Pro Glu Arg Ser Asp Tyr Glu Glu Gln Gln Leu Gln Glu Glu Glu			
65	70	75	80
Ala Arg Lys Val Lys Ser Gly Ile Arg Gln Met Arg Leu Phe Ser Gln			
85	90	95	
Asp Glu Cys Ala Lys Ile Glu Ala Arg Ile Asp Glu Val Val Ser Arg			
100	105	110	
Ala Glu Lys Leu Tyr Asn Glu His Thr Val Asp Arg Ala Pro Leu			
115	120	125	
Arg Asn Lys Tyr Phe Phe Gly Glu Gly Tyr Thr Tyr Gly Ala Gln Leu			
130	135	140	
Gln Lys Arg Gly Pro Gly Gln Glu Arg Leu Tyr Pro Pro Gly Asp Val			
145	150	155	160
Asp Glu Ile Pro Glu Trp Val His Gln Leu Val Ile Gln Lys Leu Val			
165	170	175	
Glu His Arg Val Ile Pro Glu Gly Phe Val Asn Ser Ala Val Ile Asn			
180	185	190	
Asp Tyr Gln Pro Gly Gly Cys Ile Val Ser His Val Asp Pro Ile His			
195	200	205	
Ile Phe Glu Arg Pro Ile Val Ser Val Ser Phe Phe Ser Asp Ser Ala			
210	215	220	
Leu Cys Phe Gly Cys Lys Phe Gln Phe Lys Pro Ile Arg Val Ser Glu			
225	230	235	240
Pro Val Leu Ser Leu Pro Val Arg Arg Gly Ser Val Thr Val Leu Ser			
245	250	255	
Gly Tyr Ala Ala Asp Glu Ile Thr His Cys Ile Arg Pro Gln Asp Ile			
260	265	270	
Lys Glu Arg Arg Ala Val Ile Ile Leu Arg Lys Thr Arg Leu Asp Ala			
275	280	285	
Pro Arg Leu Glu Thr Lys Ser Leu Ser Ser Val Leu Pro Pro Ser			

290	295	300
Tyr Ala Ser Asp Arg Leu Ser Gly Asn Asn Arg Asp Pro Ala Leu Lys		
305	310	315
Pro Lys Arg Ser His Arg Lys Ala Asp Pro Asp Ala Ala His Arg Pro		
325	330	335
Arg Ile Leu Glu Met Asp Lys Glu Glu Asn Arg Arg Ser Val Leu Leu		
340	345	350
Pro Thr His Arg Arg Gly Ser Phe Ser Ser Glu Asn Tyr Trp Arg		
355	360	365
Lys Ser Tyr Glu Ser Ser Glu Asp Cys Ser Glu Ala Ala Gly Ser Pro		
370	375	380
Ala Arg Lys Val Lys Met Arg Arg His		
385	390	393

<210> 1139
 <211> 545
 <212>Amino acid
 <213> Homo sapiens

<400> 1139		
Val Thr Trp His Phe Tyr Phe Cys Ser Asp His Lys Asn Gly His Tyr		
1	5	10
Ile Ile Pro Gln Met Ala Asp Arg Ser Arg Gln Lys Cys Met Ser Gln		
20	25	30
Ser Leu Asp Leu Ser Glu Leu Ala Lys Ala Ala Lys Lys Lys Leu Gln		
35	40	45
Ala Leu Ser Asn Arg Leu Phe Glu Glu Leu Ala Met Asp Val Tyr Asp		
50	55	60
Glu Val Asp Arg Arg Glu Asn Asp Ala Val Trp Leu Ala Thr Gln Asn		
65	70	75
His Ser Thr Leu Val Thr Glu Arg Ser Ala Val Pro Phe Leu Pro Val		
85	90	95
Asn Pro Glu Tyr Ser Ala Thr Arg Asn Gln Gly Arg Gln Lys Leu Ala		
100	105	110
Arg Phe Asn Ala Arg Glu Phe Ala Thr Leu Ile Ile Asp Ile Leu Ser		
115	120	125
Glu Ala Lys Arg Arg Gln Gln Gly Lys Ser Leu Ser Ser Pro Thr Asp		
130	135	140
Asn Leu Glu Leu Ser Leu Arg Ser Gln Ser Asp Leu Asp Asp Gln His		
145	150	155
Asp Tyr Asp Ser Val Ala Ser Asp Glu Asp Thr Asp Gln Glu Pro Leu		
165	170	175
Arg Ser Thr Gly Ala Thr Arg Ser Asn Arg Ala Arg Ser Met Asp Ser		
180	185	190
Ser Asp Leu Ser Asp Gly Ala Val Thr Leu Gln Glu Tyr Leu Glu Leu		
195	200	205
Lys Lys Ala Leu Ala Thr Ser Glu Ala Lys Val Gln Gln Leu Met Lys		
210	215	220
Val Asn Ser Ser Leu Ser Asp Glu Leu Arg Arg Leu Gln Arg Glu His		
225	230	235
Phe Ala Pro Ile Ile His Lys Leu Gln Ala Glu Asn Leu Gln Leu Arg		
245	250	255
Gln Pro Pro Gly Pro Val Pro Thr Pro Pro Leu Pro Ser Glu Arg Ala		
260	265	270
Glu His Thr Pro Met Ala Pro Gly Gly Ser Thr His Arg Arg Asp Arg		
275	280	285
Gln Ala Phe Ser Met Tyr Glu Pro Gly Ser Ala Leu Lys Pro Phe Gly		
290	295	300
Gly Pro Pro Gly Asp Glu Leu Thr Thr Arg Leu Gln Pro Phe His Ser		

305	310	315	320
Thr Glu Leu Glu Asp Asp Ala Ile Tyr Ser Val His Val Pro Ala Gly			
325	330	335	
Leu Tyr Arg Ile Arg Lys Gly Val Ser Ala Ser Ala Val Pro Phe Thr			
340	345	350	
Pro Ser Ser Pro Leu Leu Ser Cys Ser Gln Glu Gly Ser Arg His Thr			
355	360	365	
Ser Lys Leu Ser Arg His Gly Ser Gly Ala Asp Ser Asp Tyr Glu Asn			
370	375	380	
Thr Gln Ser Gly Asp Pro Leu Leu Gly Leu Glu Gly Lys Arg Phe Leu			
385	390	395	400
Glu Leu Gly Lys Glu Glu Asp Phe His Pro Glu Leu Glu Ser Leu Asp			
405	410	415	
Gly Asp Leu Asp Pro Gly Leu Pro Ser Thr Glu Asp Val Ile Leu Lys			
420	425	430	
Thr Glu Gln Val Thr Lys Asn Ile Gln Glu Leu Leu Arg Ala Ala Gln			
435	440	445	
Glu Phe Lys His Asp Ser Phe Val Pro Cys Ser Glu Lys Ile His Leu			
450	455	460	
Ala Val Thr Glu Met Ala Ser Leu Phe Pro Lys Arg Pro Ala Leu Glu			
465	470	475	480
Pro Val Arg Ser Ser Leu Arg Leu Leu Asn Ala Ser Ala Tyr Arg Leu			
485	490	495	
Gln Ser Glu Cys Arg Lys Thr Val Pro Pro Glu Pro Gly Ala Pro Val			
500	505	510	
Asp Phe Gln Leu Leu Thr Gln Gln Val Ile Gln Cys Ala Tyr Asp Ile			
515	520	525	
Ala Lys Ala Ala Lys Gln Leu Val Thr Ile Thr Thr Arg Glu Lys Lys			
530	535	540	
Gln			
545			

<210> 1140
 <211> 621
 <212>Amino acid
 <213> Homo sapiens

<400> 1140			
Arg Tyr Leu Ser Tyr Gly Ser Gly Pro Lys Arg Phe Pro Leu Val Asp			
1	5	10	15
Val Leu Gln Tyr Ala Leu Glu Phe Ala Ser Ser Lys Pro Val Cys Thr			
20	25	30	
Ser Pro Val Asp Asp Ile Asp Ala Ser Ser Pro Pro Ser Gly Ser Ile			
35	40	45	
Pro Ser Gln Thr Leu Pro Ser Thr Thr Glu Gln Gln Gly Ala Leu Ser			
50	55	60	
Ser Glu Leu Pro Ser Thr Ser Pro Ser Ser Val Ala Ala Ile Ser Ser			
65	70	75	80
Arg Ser Val Ile His Lys Pro Phe Thr Gln Ser Arg Ile Pro Pro Asp			
85	90	95	
Leu Pro Met His Pro Ala Pro Arg His Ile Thr Glu Glu Leu Ser			
100	105	110	
Val Leu Glu Ser Cys Leu His Arg Trp Arg Thr Glu Ile Glu Asn Asp			
115	120	125	
Thr Arg Asp Leu Gln Glu Ser Ile Ser Arg Ile His Arg Thr Ile Glu			
130	135	140	
Leu Met Tyr Ser Asp Lys Ser Met Ile Gln Val Pro Tyr Arg Leu His			
145	150	155	160
Ala Val Leu Val His Glu Gly Gln Ala Asn Ala Gly His Tyr Trp Ala			

165	170	175
Tyr Ile Phe Asp His Arg Glu Ser Arg Trp Met Lys Tyr Asn Asp Ile		
180	185	190
Ala Val Thr Lys Ser Ser Trp Glu Glu Leu Val Arg Asp Ser Phe Gly		
195	200	205
Gly Tyr Arg Asn Ala Ser Ala Tyr Cys Leu Met Tyr Ile Asn Asp Lys		
210	215	220
Ala Gln Phe Leu Ile Gln Glu Glu Phe Asn Lys Glu Thr Gly Gln Pro		
225	230	235
Leu Val Gly Ile Glu Thr Leu Pro Pro Asp Leu Arg Asp Phe Val Glu		
245	250	255
Glu Asp Asn Gln Arg Phe Glu Lys Glu Leu Glu Trp Asp Ala Gln		
260	265	270
Leu Ala Gln Lys Ala Leu Gln Glu Lys Leu Leu Ala Ser Gln Lys Leu		
275	280	285
Arg Glu Ser Glu Thr Ser Val Thr Thr Ala Gln Ala Ala Gly Asp Pro		
290	295	300
Lys Tyr Leu Glu Gln Pro Ser Arg Ser Asp Phe Ser Lys His Leu Lys		
305	310	315
Glu Glu Thr Ile Gln Ile Ile Thr Lys Ala Ser His Glu His Glu Asp		
325	330	335
Lys Ser Pro Glu Thr Val Leu Gln Ser Ala Ile Lys Leu Glu Tyr Ala		
340	345	350
Arg Leu Val Lys Leu Ala Gln Glu Asp Thr Pro Pro Glu Thr Asp Tyr		
355	360	365
Arg Leu His His Val Val Val Tyr Phe Ile Gln Asn Gln Ala Pro Lys		
370	375	380
Lys Ile Ile Glu Lys Thr Leu Leu Glu Gln Phe Gly Asp Arg Asn Leu		
385	390	395
Ser Phe Asp Glu Arg Cys His Asn Ile Met Lys Val Ala Gln Ala Lys		
405	410	415
Leu Glu Met Ile Lys Pro Glu Glu Val Asn Leu Glu Glu Tyr Glu Glu		
420	425	430
Trp His Gln Asp Tyr Arg Lys Phe Arg Glu Thr Thr Met Tyr Leu Ile		
435	440	445
Ile Gly Leu Glu Asn Phe Gln Arg Glu Ser Tyr Ile Asp Ser Leu Leu		
450	455	460
Phe Leu Ile Cys Ala Tyr Gln Asn Asn Lys Glu Leu Leu Ser Lys Gly		
465	470	475
Leu Tyr Arg Gly His Asp Glu Glu Leu Ile Ser His Tyr Arg Arg Glu		
485	490	495
Cys Leu Leu Lys Leu Asn Glu Gln Ala Ala Glu Leu Phe Glu Ser Gly		
500	505	510
Glu Asp Arg Glu Val Asn Asn Gly Leu Ile Ile Met Asn Glu Phe Ile		
515	520	525
Val Pro Phe Leu Pro Leu Leu Val Asp Glu Met Glu Glu Lys Asp		
530	535	540
Ile Leu Ala Val Glu Asp Met Arg Asn Arg Trp Cys Ser Tyr Leu Gly		
545	550	555
Gln Glu Met Glu Pro His Leu Gln Glu Lys Leu Thr Asp Phe Leu Pro		
565	570	575
Lys Leu Leu Asp Cys Ser Met Glu Ile Lys Ser Phe His Glu Pro Pro		
580	585	590
Lys Leu Pro Ser Tyr Ser Thr His Glu Leu Cys Glu Arg Phe Ala Arg		
595	600	605
Ile Met Leu Ser Leu Ser Arg Thr Pro Ala Asp Gly Arg		
610	615	620 621

<210> 1141
<211> 154
<212>Amino acid
<213> Homo sapiens

<400> 1141
 Ala Gln Val Tyr Val Arg Met Asp Ser Phe Asp Glu Asp Leu Ala Arg
 1 5 10 15
 Pro Ser Gly Leu Leu Ala Gln Glu Arg Lys Leu Cys Arg Asp Leu Val
 20 25 30
 His Ser Asn Lys Lys Glu Gln Glu Phe Arg Ser Ile Phe Gln His Ile
 35 40 45
 Gln Ser Ala Gln Ser Gln Arg Ser Pro Ser Glu Leu Phe Ala Gln His
 50 55 60
 Met Val Pro Ile Val His His Val Lys Glu His His Phe Gly Ser Ser
 65 70 75 80
 Gly Met Thr Leu His Glu Arg Phe Thr Lys Tyr Leu Lys Arg Gly Thr
 85 90 95
 Glu Gln Glu Ala Ala Lys Asn Lys Lys Ser Pro Glu Ile His Arg Arg
 100 105 110
 Ile Asp Ile Ser Pro Ser Thr Phe Arg Lys His Gly Leu Ala His Asp
 115 120 125
 Glu Met Lys Ser Pro Arg Glu Pro Gly Tyr Lys Asp Gly His Asn Ser
 130 135 140
 Lys Asn Glu Leu Gln Arg Val Asn Phe Tyr
 145 150 154

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<210> 1142  
<211> 121  
<212>Amino acid  
<213> Homo sapiens
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<400> 1142
 Thr Tyr Thr Phe Cys Phe Ser Leu Met Ile Ile Leu Leu Thr Ile Ile
 1 5 10 15
 Gln Gly Leu Ile Leu Glu Ala Phe Gly Glu Leu Arg Asp Gln Leu Asp
 20 25 30
 Gln Val Lys Glu Asp Met Glu Thr Lys Cys Phe Ile Cys Gly Ile Gly
 35 40 45
 Asn Asp Tyr Phe Asp Thr Val Pro His Gly Phe Glu Thr His Thr Leu
 50 55 60
 Gln Glu His Asn Leu Ala Asn Tyr Leu Phe Phe Leu Met Tyr Leu Ile
 65 70 75 80
 Asn Lys Asp Glu Thr Glu His Thr Gly Gln Glu Ser Tyr Val Trp Lys
 85 90 95
 Met Tyr Gln Glu Arg Cys Trp Glu Phe Phe Pro Ala Gly Asp Cys Phe
 100 105 110
 Arg Lys Gln Tyr Glu Asp Gln Leu Asn
 115 120 121

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<210> 1143  
<211> 851  
<212>Amino acid  
<213> Homo sapiens
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<400> 1143

Phe Arg Arg Lys Gly Gly Gly Pro Lys Asp Phe Gly Ala Gly Leu
 1 5 10 15
 Lys Tyr Asn Ser Arg His Glu Lys Val Asn Gly Leu Glu Glu Val
 20 25 30
 Glu Phe Leu Pro Val Asn Asn Val Lys Lys Val Glu Lys His Gly Pro
 35 40 45
 Gly Arg Trp Val Val Leu Ala Ala Val Leu Ile Gly Leu Leu Leu Val
 50 55 60
 Leu Leu Gly Ile Gly Phe Leu Val Trp His Leu Gln Tyr Arg Asp Val
 65 70 75 80
 Arg Val Gln Lys Val Phe Asn Gly Tyr Met Arg Ile Thr Asn Glu Asn
 85 90 95
 Phe Val Asp Ala Tyr Glu Asn Ser Asn Ser Thr Glu Phe Val Ser Leu
 100 105 110
 Ala Ser Lys Val Lys Asp Ala Leu Lys Leu Leu Tyr Ser Gly Val Pro
 115 120 125
 Phe Leu Gly Pro Tyr His Lys Glu Ser Ala Val Thr Ala Phe Ser Glu
 130 135 140
 Gly Ser Val Ile Ala Tyr Tyr Trp Ser Glu Phe Ser Ile Pro Gln His
 145 150 155 160
 Leu Val Glu Ala Glu Arg Val Met Ala Glu Glu Arg Val Val Met
 165 170 175
 Leu Pro Pro Arg Ala Arg Ser Leu Lys Ser Phe Val Val Thr Ser Val
 180 185 190
 Val Ala Phe Pro Thr Asp Ser Lys Thr Val Gln Arg Thr Gln Asp Asn
 195 200 205
 Ser Cys Ser Phe Gly Leu His Ala Arg Gly Val Glu Leu Met Arg Phe
 210 215 220
 Thr Thr Pro Gly Phe Pro Asp Ser Pro Tyr Pro Ala His Ala Arg Cys
 225 230 235 240
 Gln Trp Ala Leu Arg Gly Asp Ala Asp Ser Val Leu Ser Leu Thr Phe
 245 250 255
 Arg Ser Phe Asp Leu Ala Ser Cys Asp Glu Arg Gly Arg His Leu Val
 260 265 270
 Thr Val Tyr Asn Thr Leu Ser Pro Met Glu Pro His Ala Leu Val Gln
 275 280 285
 Leu Cys Gly Thr Tyr Pro Pro Ser Tyr Asn Leu Thr Phe His Ser Ser
 290 295 300
 Gln Asn Val Leu Leu Ile Thr Leu Ile Thr Asn Thr Glu Arg Arg His
 305 310 315 320
 Pro Gly Phe Glu Ala Thr Phe Phe Gln Leu Pro Arg Met Ser Ser Cys
 325 330 335
 Gly Gly Arg Leu Arg Lys Ala Gln Gly Thr Phe Asn Ser Pro Tyr Tyr
 340 345 350
 Pro Gly His Tyr Pro Pro Asn Ile Asp Cys Thr Trp Asn Ile Glu Val
 355 360 365
 Pro Asn Asn Gln His Val Lys Val Arg Phe Lys Phe Phe Tyr Leu Leu
 370 375 380
 Glu Pro Gly Val Pro Ala Gly Thr Cys Pro Lys Asp Tyr Val Glu Ile
 385 390 395 400
 Asn Gly Glu Lys Tyr Cys Gly Glu Arg Ser Gln Phe Val Val Thr Ser
 405 410 415
 Asn Ser Asn Lys Ile Thr Val Arg Phe His Ser Asp Gln Ser Tyr Thr
 420 425 430
 Asp Thr Gly Phe Leu Ala Glu Tyr Leu Ser Tyr Asp Ser Ser Asp Pro
 435 440 445
 Cys Pro Gly Gln Phe Thr Cys Arg Thr Gly Arg Cys Ile Arg Lys Glu
 450 455 460
 Leu Arg Cys Asp Gly Trp Ala Asp Cys Thr Asp His Ser Asp Glu Leu
 465 470 475 480
 Asn Cys Ser Cys Asp Ala Gly His Gln Phe Thr Cys Lys Asn Lys Phe
 485 490 495
 Cys Lys Pro Leu Phe Trp Val Cys Asp Ser Leu Asn Asp Cys Gly Asp

500	505	510
Asn Ser Asp Glu Gln Gly Cys Ser Cys Pro Ala Gln Thr Phe Arg Cys		
515	520	525
Ser Asn Gly Lys Cys Leu Ser Lys Ser Gln Gln Cys Asn Gly Lys Asp		
530	535	540
Asp Cys Gly Asp Gly Ser Asp Glu Ala Ser Cys Pro Lys Val Asn Val		
545	550	555
Val Thr Cys Thr Lys His Thr Tyr Arg Cys Leu Asn Gly Leu Cys Leu		
565	570	575
Ser Lys Gly Asn Pro Glu Cys Asp Gly Lys Glu Asp Cys Ser Asp Gly		
580	585	590
Ser Asp Glu Lys Asp Cys Asp Cys Gly Leu Arg Ser Phe Thr Arg Gln		
595	600	605
Ala Arg Val Val Gly Gly Thr Asp Ala Asp Glu Gly Glu Trp Pro Trp		
610	615	620
Gln Val Ser Leu His Ala Leu Gly Gln Gly His Ile Cys Gly Ala Ser		
625	630	635
Leu Ile Ser Pro Asn Trp Leu Val Ser Ala Ala His Cys Tyr Ile Asp		
645	650	655
Asp Arg Gly Phe Arg Tyr Ser Asp Pro Thr Gln Trp Thr Ala Phe Leu		
660	665	670
Gly Leu His Asp Gln Ser Gln Arg Ser Ala Pro Gly Val Gln Glu Arg		
675	680	685
Arg Leu Lys Arg Ile Ile Ser His Pro Phe Phe Asn Asp Phe Thr Phe		
690	695	700
Asp Tyr Asp Ile Ala Leu Leu Glu Leu Lys Pro Ala Glu Tyr Ser		
705	710	715
Ser Met Val Arg Pro Ile Cys Leu Pro Asp Ala Ser His Val Phe Pro		
725	730	735
Ala Gly Lys Ala Ile Trp Val Thr Gly Trp Gly His Thr Gln Tyr Gly		
740	745	750
Gly Thr Gly Ala Leu Ile Leu Gln Lys Gly Glu Ile Arg Val Ile Asn		
755	760	765
Gln Thr Thr Cys Glu Asn Leu Leu Pro Gln Gln Ile Thr Pro Arg Met		
770	775	780
Met Cys Val Gly Phe Leu Ser Gly Gly Val Asp Ser Cys Gln Gly Asp		
785	790	795
Ser Gly Gly Pro Leu Ser Ser Val Glu Ala Asp Gly Arg Ile Phe Gln		
805	810	815
Ala Gly Val Val Ser Trp Gly Asp Gly Cys Ala Gln Arg Asn Lys Pro		
820	825	830
Gly Val Tyr Thr Arg Leu Pro Leu Phe Arg Asp Trp Ile Lys Glu Asn		
835	840	845
Thr Gly Val		
850 851		

<210> 1144
<211> 346
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(346)
<223> X = any amino acid or stop code

<400> 1144
Arg His Glu Glu Asp Leu Gly Asn Leu Trp Glu Asn Thr Arg Phe Thr
1 5 10 15

Asp Cys Ser Phe Phe Val Arg Gly Gln Glu Phe Lys Ala His Lys Ser
 20 25 30
 Val Leu Ala Ala Arg Ser Pro Val Phe Asn Ala Met Phe Glu His Glu
 35 40 45
 Met Glu Glu Ser Lys Lys Asn Arg Val Glu Ile Asn Asp Leu Asp Pro
 50 55 60
 Glu Val Phe Lys Glu Met Met Arg Phe Ile Tyr Thr Gly Arg Ala Pro
 65 70 75 80
 Asn Leu Asp Lys Met Ala Asp Asn Leu Leu Ala Ala Ala Asp Lys Tyr
 85 90 95
 Ala Leu Glu Arg Leu Lys Val Met Cys Glu Lys Ala Leu Cys Ser Asn
 100 105 110
 Leu Ser Val Glu Asn Val Ala Asp Thr Leu Val Leu Ala Asp Leu His
 115 120 125
 Ser Ala Glu Gln Leu Lys Ala Gln Ala Ile Asp Phe Ile Asn Arg Cys
 130 135 140
 Ser Val Leu Arg Gln Leu Gly Cys Lys Asp Gly Lys Asn Trp Asn Ser
 145 150 155 160
 Asn Gln Ala Thr Asp Ile Met Glu Thr Ser Gly Gly Lys Ser Met Ile
 165 170 175
 Gln Ser His Pro His Leu Val Ala Glu Ala Phe Arg Ala Leu Ala Ser
 180 185 190
 Ala Gln Gly Pro Gln Phe Gly Ile Pro Arg Lys Arg Leu Lys Gln Ser
 195 200 205
 Xaa Asn Leu Gly Asn Leu Trp Glu Asn Thr Arg Phe Thr Asp Cys Ser
 210 215 220
 Phe Phe Val Arg Gly Gln Glu Phe Lys Ala His Lys Ser Val Leu Ala
 225 230 235 240
 Ala Arg Ser Pro Val Phe Asn Ala Met Phe Glu His Glu Met Glu Glu
 245 250 255
 Ser Lys Lys Asn Arg Val Glu Ile Asn Asp Leu Asp Pro Glu Val Phe
 260 265 270
 Lys Glu Met Met Arg Phe Ile Tyr Thr Gly Arg Ala Pro Asn Leu Asp
 275 280 285
 Lys Met Ala Asp Asn Leu Leu Ala Ala Ala Asp Lys Tyr Ala Leu Glu
 290 295 300
 Arg Leu Lys Val Met Cys Glu Lys Ala Leu Cys Ser Asn Leu Ser Val
 305 310 315 320
 Glu Asn Val Ala Asp Thr Leu Val Leu Ala Asp Leu His Ser Gly Arg
 325 330 335
 Thr Val Glu Ser Thr Ser His Arg Leu Tyr
 340 345 346

<210> 1145

<211> 339

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(339)

<223> X = any amino acid or stop code

<400> 1145

Gln Arg Gly Gly Ile Pro Gly Lys Phe Gln Glu Asp Ser Gly Ser Val
 1 5 10 15
 Asp Trp Ala Leu Gly Pro Phe Trp Gly Ile Phe Gln Ala Asp Phe Gly
 20 25 30
 Cys Met Arg Phe Tyr Leu Ser Ala Gln Thr Ser Asp Pro Val Leu Arg

35	40	45
Met Xaa Trp Gly Pro Ser Pro Ile Ser His Pro Thr Ser Leu Cys Pro		
50	55	60
Gly Gly Gly Ala Gly Gln Thr Thr Gly Ser Leu Cys Leu Gly Gln		
65	70	75
Gln Cys Cys Pro Leu Ser Cys Pro Asn Ile Pro Ser Arg His Lys Arg		
85	90	95
Trp Arg Leu Xaa Ala Ala Leu Val Ala Gly Ser Arg Gly Ser Cys Thr		
100	105	110
Leu Arg Ser Xaa Arg Xaa Arg Thr Pro Leu Pro Val Thr Arg Asn Leu		
115	120	125
Pro Arg Cys His Leu His Leu His Pro Thr Gly Asp Leu Arg Val His		
130	135	140
Val His Gln His Cys Leu Leu His Gly His Val Pro Pro Gly Ala Ala		
145	150	155
Leu Leu Gln Cys Gly Gly Cys Asp Leu Arg Gly Glu Ala Ala Gly Leu		
165	170	175
Leu Phe Leu Gly His Ala Cys Leu Arg Gly Ser Val Asn Leu Arg Arg		
180	185	190
Asp Gln Trp Leu Pro Val Pro Tyr Ser Arg Leu Cys Phe Ser Gly Ala		
195	200	205
Arg Glu Gly His Leu Pro Ser Leu Leu Ala Met Ile His Val Arg His		
210	215	220
Cys Thr Pro Ile Pro Ala Leu Leu Val Cys Pro Ile Lys Val Asn Leu		
225	230	235
Leu Ile Pro Val Ala Tyr Leu Val Phe Trp Ala Phe Leu Leu Val Phe		
245	250	255
Ser Phe Ile Ser Glu His Met Val Cys Gly Val Gly Val Ile Ile Ile		
260	265	270
Leu Thr Gly Val Pro Ile Phe Phe Leu Gly Val Phe Trp Arg Ser Lys		
275	280	285
Pro Lys Cys Val His Arg Leu Thr Glu Ser Met Thr His Trp Gly Gln		
290	295	300
Glu Leu Cys Phe Val Val Tyr Pro Gln Asp Ala Pro Glu Glu Glu		
305	310	315
Asn Gly Pro Cys Pro Pro Ser Leu Leu Pro Ala Thr Asp Lys Pro Ser		
325	330	335
Lys Pro Gln		
339		

<210> 1146
 <211> 425
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(425)
 <223> X = any amino acid or stop code

<400> 1146
 Ala Ala Ala Leu Val Ala Glu Tyr Leu Ala Leu Leu Glu Asp His Arg
 1 5 10 15
 His Leu Pro Val Gly Cys Val Ser Phe Gln Asn Ile Ser Ser Asn Val
 20 25 30
 Leu Glu Glu Ser Ala Ile Ser Asp Asp Ile Leu Ser Pro Asp Glu Glu
 35 40 45
 Gly Phe Cys Ser Gly Lys His Phe Thr Glu Leu Gly Leu Val Gly Leu
 50 55 60

Leu Glu Gln Ala Ala Gly Tyr Phe Thr Met Gly Gly Leu Tyr Glu Ala
 65 70 75 80
 Val Asn Glu Val Tyr Lys Asn Leu Ile Pro Ile Leu Glu Ala His Arg
 85 90 95
 Asp Tyr Lys Lys Leu Ala Ala Val His Gly Lys Leu Gln Glu Ala Phe
 100 105 110
 Thr Lys Ile Met His Gln Ser Ser Gly Trp Glu Arg Val Phe Gly Thr
 115 120 125
 Tyr Phe Arg Val Gly Phe Tyr Gly Ala His Phe Gly Asp Leu Asp Glu
 130 135 140
 Gln Glu Phe Val Tyr Lys Glu Pro Ser Ile Thr Lys Leu Ala Glu Ile
 145 150 155 160
 Ser His Arg Leu Glu Glu Phe Tyr Thr Glu Arg Phe Gly Asp Asp Val
 165 170 175
 Val Glu Ile Ile Lys Asp Ser Asn Pro Val Asp Lys Ser Lys Leu Asp
 180 185 190
 Ser Gln Lys Ala Tyr Ile Gln Ile Thr Tyr Val Glu Pro Tyr Phe Asp
 195 200 205
 Thr Tyr Glu Leu Lys Asp Arg Val Thr Tyr Phe Asp Arg Asn Tyr Gly
 210 215 220
 Leu Arg Thr Phe Leu Phe Cys Thr Pro Phe Thr Pro Asp Gly Arg Ala
 225 230 235 240
 His Gly Glu Leu Pro Glu Gln His Lys Arg Lys Thr Leu Leu Ser Thr
 245 250 255
 Asp His Ala Phe Pro Tyr Ile Lys Thr Arg Ile Arg Val Cys His Arg
 260 265 270
 Glu Glu Thr Val Leu Thr Pro Val Glu Val Ala Ile Glu Asp Met Gln
 275 280 285
 Lys Lys Thr Arg Glu Leu Ala Phe Ala Thr Glu Gln Asp Pro Pro Asp
 290 295 300
 Ala Lys Met Leu Gln Met Val Leu Gln Gly Ser Val Gly Pro Thr Val
 305 310 315 320
 Asn Gln Gly Pro Leu Glu Val Ala Gln Val Phe Leu Ala Glu Ile Pro
 325 330 335
 Glu Asp Pro Lys Leu Phe Arg His His Asn Lys Leu Arg Leu Cys Phe
 340 345 350
 Lys Asp Phe Xaa Lys Lys Cys Glu Asp Ala Leu Arg Lys Asn Lys Ala
 355 360 365
 Leu Ile Gly Pro Asp Gln Lys Glu Tyr His Arg Glu Leu Glu Arg Asn
 370 375 380
 Tyr Cys Arg Leu Arg Glu Ala Leu Gln Pro Leu Leu Thr Gln Arg Leu
 385 390 395 400
 Pro Gln Leu Met Ala Pro Thr Pro Pro Gly Leu Arg Asn Ser Leu Asn
 405 410 415
 Arg Ala Ser Phe Arg Lys Ala Asp Leu
 420 425

<210> 1147

<211> 198

<212> Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(198)

<223> X = any amino acid or stop code

<400> 1147
 Gly Glu Gly Gln Gln Trp Gln Ser Thr Pro Leu Ser Pro Leu Gln Pro

1	5	10	15
Thr Val Ala Asp Phe Leu Asn Leu Ala Trp Trp Thr Ser Ala Ala Ala			
20	25	30	
Trp Xaa Val Leu Ser Gly Arg Trp Val Glu Lys Val Leu Pro Gly Arg			
35	40	45	
Glu Gly Ser Glu Glu Lys Xaa Gly Met Ala Ser Ser Ser Ala Asp His			
50	55	60	
Leu His Ser Ala Pro Arg Ala Leu Gln Ser Leu Phe Gln Gln Leu Leu			
65	70	75	80
Tyr Gly Leu Ile Tyr His Ser Trp Phe Gln Ala Gly Arg Xaa Gly Phe			
85	90	95	
Gly Gly Ala Ser Ser Ser Pro Gly Pro Gln Ser Glu Leu Arg Arg Leu			
100	105	110	
His Gly Glu Gly Val Tyr Asp Xaa Gly Arg Pro Glu Thr Leu Pro			
115	120	125	
Gly Ser Val Gly Gly Ala Glu Ala Leu Trp Ala Leu Ala Asp Pro Ala			
130	135	140	
Glu Ala Glu Gly Ser Pro Glu Thr Arg Glu Ser Ser Cys Val Met Lys			
145	150	155	160
Gln Thr Gln Tyr Tyr Phe Gly Ser Val Asn Ala Ser Tyr Asn Ala Ile			
165	170	175	
Ile Asp Cys Gly Asn Cys Ser Arg Cys Trp Gln Trp Gly Gly Thr Arg			
180	185	190	
Gly Gln Gly Arg Asn Leu			
195	198		

<210> 1148
 <211> 317
 <212>Amino acid
 <213> Homo sapiens

<400> 1148			
Val Ala Gly Ile Pro Ala Cys Phe Asp Asn Phe Thr Glu Ala Leu Ala			
1	5	10	15
Glu Thr Ala Cys Arg Gln Met Gly Tyr Ser Ser Lys Pro Thr Phe Arg			
20	25	30	
Ala Val Glu Ile Gly Pro Asp Gln Asp Leu Asp Val Val Glu Ile Thr			
35	40	45	
Glu Asn Ser Gln Glu Leu Arg Met Arg Asn Ser Ser Gly Pro Cys Leu			
50	55	60	
Ser Gly Ser Leu Val Ser Leu His Cys Leu Ala Cys Gly Glu Ser Leu			
65	70	75	80
Lys Thr Pro Arg Val Val Gly Gly Glu Ala Ser Val Asp Ser Trp			
85	90	95	
Pro Trp Gln Val Ser Ile Gln Tyr Asp Lys Gln His Val Cys Gly Gly			
100	105	110	
Ser Ile Leu Asp Pro His Trp Val Leu Thr Ala Ala His Cys Phe Arg			
115	120	125	
Lys His Thr Asp Val Phe Asn Trp Lys Val Arg Ala Gly Ser Asp Lys			
130	135	140	
Leu Gly Ser Phe Pro Ser Leu Ala Val Ala Lys Ile Ile Ile Ile Glu			
145	150	155	160
Phe Asn Pro Met Tyr Pro Lys Asp Asn Asp Ile Ala Leu Met Lys Leu			
165	170	175	
Gln Phe Pro Leu Thr Phe Ser Gly Thr Val Arg Pro Ile Cys Leu Pro			
180	185	190	
Phe Phe Asp Glu Glu Leu Thr Pro Ala Thr Pro Leu Trp Ile Ile Gly			
195	200	205	
Trp Gly Phe Thr Lys Gln Asn Gly Gly Lys Met Ser Asp Ile Leu Leu			

210	215	220
Gln Ala Ser Val Gln Val Ile Asp Ser Thr Arg Cys Asn Ala Asp Asp		
225	230	235
Ala Tyr Gln Gly Glu Val Thr Glu Lys Met Met Cys Ala Gly Ile Pro		240
245	250	255
Glu Gly Gly Val Asp Thr Cys Gln Gly Asp Ser Gly Gly Pro Leu Met		
260	265	270
Tyr Gln Ser Asp Gln Trp His Val Val Gly Ile Val Ser Trp Gly Tyr		
275	280	285
Gly Cys Gly Gly Pro Ser Thr Pro Gly Val Tyr Thr Lys Val Ser Ala		
290	295	300
Tyr Leu Asn Trp Ile Tyr Asn Val Trp Lys Ala Glu Leu		
305	310	315
		317

<210> 1149
 <211> 320
 <212>Amino acid
 <213> Homo sapiens

<400> 1149		
Thr Ile Ser Thr Val Arg Trp Asn Ser Arg Ile Gly Met Val Leu Gly		
1	5	10
Val Ala Ile Gln Lys Arg Ala Val Pro Gly Leu Tyr Ala Phe Glu Glu		
20	25	30
Ala Tyr Ala Arg Ala Asp Lys Glu Ala Pro Arg Pro Cys His Lys Gly		
35	40	45
Ser Trp Cys Ser Ser Asn Gln Leu Cys Arg Glu Cys Gln Ala Phe Met		
50	55	60
Ala His Thr Met Pro Lys Leu Lys Ala Phe Ser Met Ser Ser Ala Tyr		
65	70	75
Asn Ala Tyr Arg Ala Val Tyr Ala Val Ala His Gly Leu His Gln Leu		
85	90	95
Leu Gly Cys Ala Ser Gly Ala Cys Ser Arg Gly Arg Val Tyr Pro Trp		
100	105	110
Gln Leu Leu Glu Gln Ile His Lys Val His Phe Leu Leu His Lys Asp		
115	120	125
Thr Val Ala Phe Asn Asp Asn Arg Asp Pro Leu Ser Ser Tyr Asn Ile		
130	135	140
Ile Ala Trp Asp Trp Asn Gly Pro Lys Trp Thr Phe Thr Val Leu Gly		
145	150	155
Ser Ser Thr Trp Ser Pro Val Gln Leu Asn Ile Asn Glu Thr Lys Ile		
165	170	175
Gln Trp His Gly Lys Asp Asn Gln Val Pro Lys Ser Val Cys Ser Ser		
180	185	190
Asp Cys Leu Glu Gly His Gln Arg Val Val Thr Gly Phe His His Cys		
195	200	205
Cys Phe Glu Cys Val Pro Cys Gly Ala Gly Thr Phe Leu Asn Lys Ser		
210	215	220
Ser Tyr Leu Gly Lys Asp Leu Pro Glu Asn Tyr Asn Glu Ala Lys Cys		
225	230	235
Val Thr Phe Ser Leu Leu Phe Asn Phe Val Ser Trp Ile Ala Phe Phe		
245	250	255
Thr Thr Ala Ser Val Tyr Asp Gly Lys Tyr Leu Pro Ala Ala Asn Met		
260	265	270
Met Ala Gly Leu Ser Ser Leu Ser Ser Gly Phe Gly Gly Tyr Phe Leu		
275	280	285
Pro Lys Cys Tyr Val Ile Leu Cys Arg Pro Asp Leu Asn Ser Thr Glu		
290	295	300
His Phe Gln Ala Ser Ile Gln Asp Tyr Thr Arg Arg Cys Gly Ser Thr		

305

310

315

320

<210> 1150
<211> 458
<212>Amino acid
<213> Homo sapiens

<400> 1150
Val Ala Arg Gly Ala Phe His Pro Lys Met Gly Pro Ser Phe Pro Ser
1 5 10 15
Pro Lys Pro Gly Ser Glu Arg Leu Ser Phe Val Ser Ala Lys Gln Ser
20 25 30
Thr Gly Gln Asp Thr Glu Ala Glu Leu Gln Asp Ala Thr Leu Ala Leu
35 40 45
His Gly Leu Thr Val Glu Asp Glu Gly Asn Tyr Thr Cys Glu Phe Ala
50 55 60
Thr Phe Pro Lys Gly Ser Val Arg Gly Met Thr Trp Leu Arg Val Ile
65 70 75 80
Ala Lys Pro Lys Asn Gln Ala Glu Ala Gln Lys Val Thr Phe Ser Gln
85 90 95
Asp Pro Thr Thr Val Ala Leu Cys Ile Ser Lys Glu Gly Arg Pro Pro
100 105 110
Ala Arg Ile Ser Trp Leu Ser Ser Leu Asp Trp Glu Ala Lys Glu Thr
115 120 125
Gln Val Ser Gly Thr Leu Ala Gly Thr Val Thr Val Thr Ser Arg Phe
130 135 140
Thr Leu Val Pro Ser Gly Arg Ala Asp Gly Val Thr Val Thr Cys Lys
145 150 155 160
Val Glu His Glu Ser Phe Glu Glu Pro Ala Leu Ile Pro Val Thr Leu
165 170 175
Ser Val Arg Tyr Pro Pro Glu Val Ser Ile Ser Gly Tyr Asp Asp Asn
180 185 190
Trp Tyr Leu Gly Arg Thr Asp Ala Thr Leu Ser Cys Asp Val Arg Ser
195 200 205
Asn Pro Glu Pro Thr Gly Tyr Asp Trp Ser Thr Thr Ser Gly Thr Phe
210 215 220
Pro Thr Ser Ala Val Ala Gln Gly Ser Gln Leu Val Ile His Ala Val
225 230 235 240
Asp Ser Leu Phe Asn Thr Thr Phe Val Cys Thr Val Thr Asn Ala Val
245 250 255
Gly Met Gly Arg Ala Glu Gln Val Ile Phe Val Arg Glu Thr Pro Asn
260 265 270
Thr Ala Gly Ala Gly Ala Thr Gly Gly Ile Ile Gly Gly Ile Ile Ala
275 280 285
Ala Ile Ile Ala Thr Ala Asp Ala Thr Gly Ile Leu Ile Cys Arg Gln
290 295 300
Gln Arg Lys Glu Gln Thr Leu Gln Gly Ala Glu Asp Glu Asp Leu
305 310 315 320
Glu Gly Pro Pro Ser Tyr Lys Pro Pro Thr Pro Lys Ala Lys Leu Glu
325 330 335
Ala Gln Glu Met Pro Ser Gln Leu Phe Thr Leu Gly Ala Ser Glu His
340 345 350
Ser Pro Leu Lys Thr Pro Tyr Phe Asp Ala Gly Ala Ser Cys Thr Glu
355 360 365
Gln Glu Met Pro Arg Tyr His Glu Leu Pro Thr Leu Glu Glu Arg Ser
370 375 380
Gly Pro Leu His Pro Gly Ala Thr Ser Leu Gly Ser Pro Ile Pro Val

385	390	395	400
Pro Pro Gly Pro Pro Ala Val Glu Asp Val Ser Leu Asp Leu Glu Asp			
405	410	415	
Glu Glu Gly Glu Glu Glu Glu Tyr Leu Asp Lys Ile Asn Pro Ile			
420	425	430	
Tyr Asp Ala Leu Ser Tyr Ser Ser Pro Ser Asp Ser Tyr Gln Gly Lys			
435	440	445	
Gly Phe Val Met Ser Arg Ala Met Tyr Val			
450	455	458	

<210> 1151
<211> 608
<212>Amino acid
<213> Homo sapiens

<400> 1151			
Gly Thr Arg Leu Arg Glu Asp Lys Asn His Asn Met Tyr Val Ala Gly			
1	5	10	15
Cys Thr Glu Val Glu Val Lys Ser Thr Glu Glu Ala Phe Glu Val Phe			
20	25	30	
Trp Arg Gly Gln Lys Lys Arg Arg Ile Ala Asn Thr His Leu Asn Arg			
35	40	45	
Glu Ser Ser Arg Ser His Ser Val Phe Asn Ile Lys Leu Val Gln Ala			
50	55	60	
Pro Leu Asp Ala Asp Gly Asp Asn Val Leu Gln Glu Lys Glu Gln Ile			
65	70	75	80
Thr Ile Ser Gln Leu Ser Leu Val Asp Leu Ala Gly Ser Glu Arg Thr			
85	90	95	
Asn Arg Thr Arg Ala Glu Gly Asn Arg Leu Arg Glu Ala Gly Asn Ile			
100	105	110	
Asn Gln Ser Leu Met Thr Leu Arg Thr Cys Met Asp Val Leu Arg Glu			
115	120	125	
Asn Gln Met Tyr Gly Thr Asn Lys Met Val Pro Tyr Arg Asp Ser Lys			
130	135	140	
Leu Thr His Leu Phe Lys Asn Tyr Phe Asp Gly Glu Gly Lys Val Arg			
145	150	155	160
Met Ile Val Cys Val Asn Pro Lys Ala Glu Asp Tyr Glu Glu Asn Leu			
165	170	175	
Gln Val Met Arg Phe Ala Glu Val Thr Gln Glu Val Glu Val Ala Arg			
180	185	190	
Pro Val Asp Lys Ala Ile Cys Gly Leu Thr Pro Gly Arg Arg Tyr Arg			
195	200	205	
Asn Gln Pro Arg Gly Pro Ile Gly Asn Glu Pro Leu Val Thr Asp Val			
210	215	220	
Val Leu Gln Ser Phe Pro Pro Leu Pro Ser Cys Glu Ile Leu Asp Ile			
225	230	235	240
Asn Asp Glu Gln Thr Leu Pro Arg Leu Ile Glu Ala Leu Glu Lys Arg			
245	250	255	
His Asn Leu Arg Gln Met Met Ile Asp Glu Phe Asn Lys Gln Ser Asn			
260	265	270	
Ala Phe Lys Ala Leu Leu Gln Glu Phe Asp Asn Ala Val Leu Ser Lys			
275	280	285	
Glu Asn His Met Gln Gly Lys Leu Asn Glu Lys Glu Lys Met Ile Ser			
290	295	300	
Gly Gln Lys Leu Glu Ile Glu Arg Leu Glu Lys Lys Asn Lys Thr Leu			
305	310	315	320
Glu Tyr Lys Ile Glu Ile Leu Glu Lys Thr Thr Ile Tyr Glu Glu			
325	330	335	
Asp Lys Arg Asn Leu Gln Gln Glu Leu Glu Thr Gln Asn Gln Lys Leu			

340	345	350
Gln Arg Gln Phe Ser Asp Lys Arg Arg Leu Glu Ala Arg	Leu Gln Gly	
355	360	365
Met Val Thr Glu Thr Thr Met Lys Trp Glu Lys Glu Cys	Glu Arg Arg	
370	375	380
Val Ala Ala Lys Gln Leu Glu Met Gln Asn Lys Leu Trp	Val Lys Asp	
385	390	395
Glu Lys Leu Lys Gln Leu Lys Ala Ile Val Thr Glu Pro	Lys Thr Glu	
405	410	415
Lys Pro Glu Arg Pro Ser Arg Glu Arg Asp Arg Glu Lys	Val Thr Gln	
420	425	430
Arg Ser Val Ser Pro Ser Pro Val Pro Leu Leu Phe	Gln Pro Asp Gln	
435	440	445
Asn Ala Pro Pro Ile Arg Leu Arg His Arg Arg Ser	Arg Ser Ala Gly	
450	455	460
Asp Arg Trp Val Asp His Lys Pro Ala Ser Asn Met	Gln Thr Glu Thr	
465	470	475
Val Met Gln Pro His Val Pro His Ala Ile Thr Val Ser	Val Ala Asn	
485	490	495
Glu Lys Ala Leu Ala Lys Cys Glu Lys Tyr Met Leu Thr	His Gln Glu	
500	505	510
Leu Ala Ser Asp Gly Glu Ile Glu Thr Lys Leu Ile Lys	Gly Asp Ile	
515	520	525
Tyr Lys Thr Arg Gly Gly Gln Ser Val Gln Phe Thr Asp	Ile Glu	
530	535	540
Thr Leu Lys Gln Glu Ser Pro Asn Gly Ser Arg Lys	Arg Arg Ser Ser	
545	550	555
Thr Val Ala Pro Ala Gln Pro Asp Gly Ala Glu Ser	Glu Trp Thr Asp	
565	570	575
Val Glu Thr Arg Cys Ser Val Ala Val Glu Met Arg	Ala Gly Ser Gln	
580	585	590
Leu Gly Pro Gly Tyr Gln His His Ala Gln Pro Lys Arg	Lys Lys Pro	
595	600	605
		608

<210> 1152
 <211> 111
 <212>Amino acid
 <213> Homo sapiens

<400> 1152		
Pro Phe Ser Ser Ser Val Ser Ser Lys Gly Ser Asp Pro	Phe Gly	
1	5	10
Thr Leu Asp Pro Phe Gly Ser Gly Ser Phe Asn Ser Ala	Glu Gly Phe	
20	25	30
Ala Asp Phe Ser Gln Met Ser Lys Gly Lys Ser Thr Pro	Val Ser Gln	
35	40	45
Leu Gly Ser Ala Asp Phe Pro Glu Ala Pro Asp Pro	Phe Gln Pro Leu	
50	55	60
Gly Ala Asp Ser Gly Asp Pro Phe Gln Ser Lys Gly	Phe Gly Asp	
65	70	75
Pro Phe Ser Gly Lys Asp Pro Phe Val Pro Ser Ser Ala	Ala Lys Pro	
85	90	95
Ser Lys Ala Ser Ala Ser Gly Phe Ala Asp Phe Thr Ser	Val Ser	
100	105	110 111

<210> 1153

<211> 444
<212>Amino acid
<213> Homo sapiens

<400> 1153

Met	Ser	Leu	Met	Val	Val	Ser	Met	Ala	Cys	Val	Gly	Leu	Phe	Leu	Val
1				5				10					15		
Gln	Arg	Ala	Gly	Pro	His	Met	Gly	Gly	Gln	Asp	Lys	Pro	Phe	Leu	Ser
				20				25					30		
Ala	Trp	Pro	Ser	Ala	Val	Val	Pro	Arg	Gly	Gly	His	Val	Thr	Leu	Arg
				35				40					45		
Cys	His	Tyr	Arg	His	Arg	Phe	Asn	Asn	Phe	Met	Leu	Tyr	Lys	Glu	Asp
				50				55					60		
Arg	Ile	His	Ile	Pro	Ile	Phe	His	Gly	Arg	Ile	Phe	Gln	Glu	Ser	Phe
	65			70				75					80		
Asn	Met	Ser	Pro	Val	Thr	Thr	Ala	His	Ala	Gly	Asn	Tyr	Thr	Cys	Arg
				85				90					95		
Gly	Ser	His	Pro	His	Ser	Pro	Thr	Gly	Trp	Ser	Ala	Pro	Ser	Asn	Pro
				100				105					110		
Val	Val	Ile	Met	Val	Thr	Gly	Asn	His	Arg	Lys	Pro	Ser	Leu	Leu	Ala
				115				120					125		
His	Pro	Gly	Pro	Leu	Val	Lys	Ser	Gly	Glu	Arg	Val	Ile	Leu	Gln	Cys
				130				135					140		
Trp	Ser	Asp	Ile	Met	Phe	Glu	His	Phe	Phe	Leu	His	Lys	Glu	Gly	Ile
	145				150				155					160	
Ser	Lys	Asp	Pro	Ser	Arg	Leu	Val	Gly	Gln	Ile	His	Asp	Gly	Val	Ser
				165				170					175		
Lys	Ala	Asn	Phe	Ser	Ile	Gly	Pro	Met	Met	Gln	Asp	Leu	Ala	Gly	Thr
				180				185					190		
Tyr	Arg	Cys	Tyr	Gly	Ser	Val	Thr	His	Ser	Pro	Tyr	Gln	Leu	Ser	Ala
				195				200					205		
Pro	Ser	Asp	Pro	Leu	Asp	Ile	Val	Ile	Thr	Gly	Leu	Tyr	Glu	Lys	Pro
				210				215					220		
Ser	Leu	Ser	Ala	Gln	Pro	Gly	Pro	Thr	Val	Leu	Ala	Gly	Glu	Ser	Val
				225				230					235		240
Thr	Leu	Ser	Cys	Ser	Ser	Arg	Ser	Ser	Tyr	Asp	Met	Tyr	His	Leu	Ser
				245				250					255		
Arg	Glu	Gly	Glu	Ala	His	Glu	Arg	Arg	Phe	Ser	Ala	Gly	Pro	Lys	Val
				260				265					270		
Asn	Gly	Thr	Phe	Gln	Ala	Asp	Phe	Pro	Leu	Gly	Pro	Ala	Thr	His	Gly
				275				280					285		
Gly	Thr	Tyr	Arg	Cys	Phe	Gly	Ser	Phe	Arg	Asp	Ser	Pro	Tyr	Glu	Trp
				290				295					300		
Ser	Asn	Ser	Ser	Asp	Pro	Leu	Leu	Val	Ser	Val	Thr	Gly	Asn	Pro	Ser
				305				310					315		320
Asn	Ser	Trp	Pro	Ser	Pro	Thr	Glu	Pro	Ser	Ser	Glu	Thr	Gly	Asn	Pro
				325				330					335		
Arg	His	Leu	His	Leu	Val	Ile	Gly	Thr	Ser	Val	Val	Ile	Ile	Leu	Phe
				340				345					350		
Ile	Leu	Leu	Phe	Phe	Leu	Leu	His	Arg	Trp	Cys	Ser	Asn	Lys	Lys	
				355				360					365		
Asn	Ala	Ala	Val	Met	Asp	Gln	Glu	Ser	Ala	Gly	Asn	Arg	Thr	Ala	Asn
				370				375					380		
Ser	Glu	Asp	Ser	Asp	Glu	Gln	Asp	Pro	Gln	Glu	Val	Thr	Tyr	Thr	Gln
				385				390					395		400
Leu	Asn	His	Cys	Val	Phe	Thr	Gln	Arg	Lys	Ile	Thr	Arg	Pro	Ser	Gln
				405				410					415		
Arg	Pro	Lys	Thr	Pro	Pro	Thr	Asp	Ile	Ile	Val	Tyr	Thr	Glu	Leu	Pro
				420				425					430		
Asn	Ala	Glu	Ser	Arg	Ser	Lys	Val	Val	Ser	Cys	Pro				

435

440

444

<210> 1154
<211> 522
<212>Amino acid
<213> Homo sapiens

<400> 1154
Met Ser Leu Arg Val His Thr Leu Pro Thr Leu Leu Gly Ala Val Val
1 5 10 15
Arg Pro Gly Cys Arg Glu Leu Leu Cys Leu Leu Met Ile Thr Val Thr
20 25 30
Val Gly Pro Gly Ala Ser Gly Val Cys Pro Thr Ala Cys Ile Cys Ala
35 40 45
Thr Asp Ile Val Ser Cys Thr Asn Lys Asn Leu Ser Lys Val Pro Gly
50 55 60
Asn Leu Phe Arg Leu Ile Lys Arg Leu Asp Leu Ser Tyr Asn Arg Ile
65 70 75 80
Gly Leu Leu Asp Ser Glu Trp Ile Pro Val Ser Phe Ala Lys Leu Asn
85 90 95
Thr Leu Ile Leu Arg His Asn Asn Ile Thr Ser Ile Ser Thr Gly Ser
100 105 110
Phe Ser Thr Thr Pro Asn Leu Lys Cys Leu Asp Leu Ser Ser Asn Lys
115 120 125
Leu Lys Thr Val Lys Asn Ala Val Phe Gln Glu Leu Lys Val Leu Glu
130 135 140
Val Leu Leu Leu Tyr Asn Asn His Ile Ser Tyr Leu Asp Pro Ser Ala
145 150 155 160
Phe Gly Gly Leu Ser Gln Leu Gln Lys Leu Tyr Leu Ser Gly Asn Phe
165 170 175
Leu Thr Gln Phe Pro Met Asp Leu Tyr Val Gly Arg Phe Lys Leu Ala
180 185 190
Glu Leu Met Phe Leu Asp Val Ser Tyr Asn Arg Ile Pro Ser Met Pro
195 200 205
Met His His Ile Asn Leu Val Pro Gly Lys Gln Leu Arg Gly Ile Tyr
210 215 220
Leu His Gly Asn Pro Phe Val Cys Asp Cys Ser Leu Val Ser Leu Leu
225 230 235 240
Val Phe Trp Tyr Arg Arg His Phe Ser Ser Val Met Asp Phe Lys Asn
245 250 255
Asp Tyr Thr Cys Arg Leu Trp Ser Asp Ser Arg His Ser Arg Gln Val
260 265 270
Leu Leu Leu Gln Asp Ser Phe Met Asn Cys Ser Asp Ser Ile Ile Asn
275 280 285
Gly Ser Phe Arg Ala Leu Gly Phe Ile His Glu Ala Gln Val Gly Glu
290 295 300
Arg Leu Met Val His Cys Asp Ser Lys Thr Gly Asn Ala Asn Thr Asp
305 310 315 320
Phe Ile Trp Val Gly Pro Asp Asn Arg Leu Leu Glu Pro Asp Lys Glu
325 330 335
Met Glu Asn Phe Tyr Val Phe His Asn Gly Ser Leu Val Ile Glu Ser
340 345 350
Pro Arg Phe Glu Asp Ala Gly Val Tyr Ser Cys Ile Ala Met Asn Lys
355 360 365
Gln Arg Leu Leu Asn Glu Thr Val Asp Val Thr Ile Asn Val Ser Asn
370 375 380
Phe Thr Val Ser Arg Ser His Ala His Glu Ala Phe Asn Thr Ala Phe
385 390 395 400
Thr Thr Leu Ala Ala Cys Val Ala Ser Ile Val Leu Val Leu Tyr

405	410	415
Leu Tyr Leu Thr Pro Cys Pro Cys Lys Cys Lys Thr Lys Arg Gln Lys		
420	425	430
Asn Met Leu His Gln Ser Asn Ala His Ser Ser Ile Leu Ser Pro Gly		
435	440	445
Pro Ala Ser Asp Ala Ser Ala Asp Glu Arg Lys Ala Gly Ala Gly Lys		
450	455	460
Arg Val Val Phe Leu Glu Pro Leu Lys Asp Thr Ala Ala Gly Gln Asn		
465	470	475
Gly Lys Val Arg Leu Phe Pro Ser Glu Ala Val Ile Ala Glu Gly Ile		
485	490	495
Leu Lys Ser Thr Arg Gly Lys Ser Asp Ser Asp Ser Val Asn Ser Val		
500	505	510
Phe Ser Asp Thr Pro Phe Val Ala Ser Thr		
515	520	522

<210> 1155
 <211> 642
 <212>Amino acid
 <213> Homo sapiens

<400> 1155		
Ala Ser Asp Phe Ile Arg Ser Leu Asp His Cys Gly Tyr Leu Ser Leu		
1	5	10
Glu Gly Val Phe Ser His Lys Phe Asp Phe Glu Leu Gln Asp Val Ser		
20	25	30
Ser Val Asn Glu Asp Val Leu Leu Thr Thr Gly Leu Leu Cys Lys Tyr		
35	40	45
Thr Ala Gln Arg Phe Lys Pro Lys Tyr Lys Phe Phe His Lys Ser Phe		
50	55	60
Gln Glu Tyr Thr Ala Gly Arg Arg Leu Ser Ser Leu Leu Thr Ser His		
65	70	75
Glu Pro Glu Glu Val Thr Lys Gly Asn Gly Tyr Leu Gln Lys Met Val		
85	90	95
Ser Ile Ser Asp Ile Thr Ser Thr Tyr Ser Ser Leu Leu Arg Tyr Thr		
100	105	110
Cys Gly Ser Ser Val Glu Ala Thr Arg Ala Val Met Lys His Leu Ala		
115	120	125
Ala Val Tyr Gln His Gly Cys Leu Leu Gly Leu Ser Ile Ala Lys Arg		
130	135	140
Pro Leu Trp Arg Gln Glu Ser Leu Gln Ser Val Lys Asn Thr Thr Glu		
145	150	155
Gln Glu Ile Leu Lys Ala Ile Asn Ile Asn Ser Phe Val Glu Cys Gly		
165	170	175
Ile His Leu Tyr Gln Glu Ser Thr Ser Lys Ser Ala Leu Ser Gln Glu		
180	185	190
Phe Glu Ala Phe Phe Gln Gly Lys Ser Leu Tyr Ile Asn Ser Gly Asn		
195	200	205
Ile Pro Asp Tyr Leu Phe Asp Phe Phe Glu His Leu Pro Asn Cys Ala		
210	215	220
Ser Ala Leu Asp Phe Ile Lys Leu Gly Phe Tyr Gly Gly Ala Met Ala		
225	230	235
Ser Trp Glu Lys Ala Ala Glu Asp Thr Gly Gly Ile His Met Glu Glu		
245	250	255
Ala Pro Glu Thr Tyr Ile Pro Ser Arg Ala Val Ser Leu Phe Phe Asn		
260	265	270
Trp Lys Gln Glu Phe Arg Thr Leu Glu Val Thr Leu Arg Asp Phe Ser		
275	280	285
Lys Leu Asn Lys Gln Asp Ile Arg Tyr Leu Gly Lys Ile Phe Ser Ser		

290	295	300
Ala Thr Ser Leu Arg Leu Gln Ile Lys Arg Cys Ala Gly Val Ala Gly		
305	310	315
Ser Leu Ser Leu Val Leu Ser Thr Cys Lys Asn Ile Tyr Ser Leu Met		
325	330	335
Val Glu Ala Ser Pro Leu Thr Ile Glu Asp Glu Arg His Ile Thr Ser		
340	345	350
Val Thr Asn Leu Lys Thr Leu Ser Ile His Asp Leu Gln Asn Gln Arg		
355	360	365
Leu Pro Gly Gly Leu Thr Asp Ser Leu Gly Asn Leu Lys Asn Leu Thr		
370	375	380
Lys Leu Ile Met Asp Asn Ile Lys Met Asn Glu Glu Asp Ala Ile Lys		
385	390	395
Leu Ala Glu Gly Leu Lys Asn Leu Lys Lys Met Cys Leu Phe His Leu		
405	410	415
Thr His Leu Ser Asp Ile Gly Glu Gly Met Asp Tyr Ile Val Lys Ser		
420	425	430
Leu Ser Ser Glu Pro Cys Asp Leu Glu Glu Ile Gln Leu Val Ser Cys		
435	440	445
Cys Leu Ser Ala Asn Ala Val Lys Ile Leu Ala Gln Asn Leu His Asn		
450	455	460
Leu Val Lys Leu Ser Ile Leu Asp Leu Ser Glu Asn Tyr Leu Glu Lys		
465	470	475
Asp Gly Asn Glu Ala Leu His Glu Leu Ile Asp Arg Met Asn Val Leu		
485	490	495
Glu Gln Leu Thr Ala Leu Met Leu Pro Trp Gly Cys Asp Val Gln Gly		
500	505	510
Ser Leu Ser Ser Leu Leu Lys His Leu Glu Glu Val Pro Gln Leu Val		
515	520	525
Lys Leu Gly Leu Lys Asn Trp Arg Leu Thr Asp Thr Glu Ile Arg Ile		
530	535	540
Leu Gly Ala Phe Phe Gly Lys Asn Pro Leu Lys Asn Phe Gln Gln Leu		
545	550	555
Asn Leu Ala Gly Asn Arg Val Ser Ser Asp Gly Trp Leu Ala Phe Met		
565	570	575
Gly Val Phe Glu Asn Leu Lys Gln Leu Val Phe Phe Asp Phe Ser Thr		
580	585	590
Lys Glu Phe Leu Pro Asp Pro Ala Leu Val Arg Lys Leu Ser Gln Val		
595	600	605
Leu Ser Lys Leu Thr Phe Leu Gln Glu Ala Arg Leu Val Gly Trp Gln		
610	615	620
Phe Asp Asp Asp Asp Leu Ser Val Ile Thr Gly Ala Phe Lys Leu Val		
625	630	635
Thr Ala		640
642		

<210> 1156
<211> 125
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(125)
<223> X = any amino acid or stop code

<400> 1156
Ala Ser Asp Arg Lys Val Ala Met Thr Cys Asp Cys Phe Trp Phe Arg
1 5 10 15

Thr Met Leu Asp Gln His Ala Ser Cys Met Glu Val Gly Thr Glu Arg
 20 25 30
 Glu Arg Gln Ala Gly Gly Leu Val Met Phe Asp Pro Ser Gly Phe Pro
 35 40 45
 Thr Gly Glu Lys Val Leu Gln Asp Asp Glu Phe Thr Cys Asp Leu Phe
 50 55 60
 Arg Phe Leu Gln Leu Leu Cys Glu Gly His Asn Ser Gly Leu Xaa Val
 65 70 75 80
 Pro Gly Thr Ser Asp Asp Thr Lys Ala Xaa Ile Met Phe Ser Ser Gln
 85 90 95
 Xaa Xaa Gln Glu Pro Val Ser Ser Asn Tyr Ala Ser Phe Xaa Arg Gln
 100 105 110
 Gln Ile Ile Leu Glu His Gly Ser Ala Leu Gly Ser Gly
 115 120 125

<210> 1157
<211> 91
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(91)
<223> X = any amino acid or stop code

<400> 1157
 Glu Ile Thr His Ile Val Gly Glu Thr Ala Ala Phe Leu Cys Pro Arg
 1 5 10 15
 Leu Arg Leu Arg Arg Gly Gly Lys Asp Gly Ser Pro Lys Pro Gly Phe
 20 25 30
 Leu Ala Ser Val Ile Pro Val Asp Arg Arg Pro Gly Glu Xaa Asp Ile
 35 40 45
 Thr His Ile Val Gly Glu Thr Ala Ala Phe Leu Cys Pro Arg Leu Arg
 50 55 60
 Leu Arg Arg Gly Gly Lys Asp Gly Ser Pro Lys Pro Gly Phe Leu Ala
 65 70 75 80
 Ser Val Ile Pro Val Asp Arg Arg Pro Gly Glu
 85 90 91

<210> 1158
<211> 254
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(254)
<223> X = any amino acid or stop code

<400> 1158
 Ser Lys Phe Ile Phe Tyr Val Asp Ser Gln Ser Met Ile Phe Phe Phe
 1 5 10 15
 Gln Thr Pro Thr Arg His Lys Val Leu Ile Met Glu Phe Cys Pro Cys
 20 25 30

Gly Ser Leu Tyr Thr Val Leu Glu Glu Pro Ser Asn Ala Tyr Gly Leu
 35 40 45
 Pro Glu Ser Glu Phe Leu Ile Val Leu Arg Asp Val Val Gly Gly Met
 50 55 60
 Asn His Leu Arg Glu Asn Gly Ile Val His Arg Asp Ile Lys Pro Gly
 65 70 75 80
 Asn Ile Met Arg Val Ile Gly Glu Asp Gly Gln Ser Val Tyr Lys Leu
 85 90 95
 Thr Asp Phe Gly Ala Ala Arg Glu Leu Glu Asp Asp Glu Gln Phe Val
 100 105 110
 Ser Leu Tyr Gly Thr Glu Glu Tyr Leu His Pro Asp Met Tyr Glu Arg
 115 120 125
 Ala Val Leu Arg Lys Asp His Gln Lys Lys Tyr Gly Ala Thr Val Asp
 130 135 140
 Leu Trp Ser Ile Gly Val Thr Phe Tyr Gln Gly Lys Pro Thr Gly Ser
 145 150 155 160
 Leu Ala Ile Xaa His Pro Phe Glu Gly Ala Ser Val Arg Asn Lys Ala
 165 170 175
 Ser Asp Gly Ile Lys Ile Ile Thr Gly Lys Gly Leu Leu Gly Ala Ile
 180 185 190
 Ser Gly Val Gln Lys Ser Lys Lys Asn Gly Pro Ile Asp Trp Glu Trp
 195 200 205
 Glu Asp Met Pro Val Ser Cys Ser Pro Ser Ser Gly Val Leu Arg Val
 210 215 220
 Pro Asn Leu Pro Pro Val Leu Ala Asn Ile Leu Glu Ser Arg Ser Arg
 225 230 235 240
 Lys Lys Cys Trp Gly Phe Xaa Pro Ser Phe Leu Gln Glu Asn
 245 250 254

<210> 1159
 <211> 162
 <212>Amino acid
 <213> Homo sapiens

<400> 1159

Gly Ser Thr Ile Ser Cys Glu Arg Ser Leu Arg Ser Leu Trp Thr Ala
 1 5 10 15
 His Trp Ala Leu Pro Glu Met Asp Ser Arg Ile Pro Tyr Asp Asp Tyr
 20 25 30
 Pro Val Val Phe Leu Pro Ala Tyr Glu Asn Pro Pro Ala Trp Ile Pro
 35 40 45
 Pro His Glu Arg Val His His Pro Asp Tyr Asn Asn Glu Leu Thr Gln
 50 55 60
 Phe Leu Pro Arg Thr Ile Thr Leu Lys Lys Pro Pro Gly Ala Gln Leu
 65 70 75 80
 Gly Phe Asn Ile Arg Gly Gly Lys Ala Ser Gln Leu Gly Ile Phe Ile
 85 90 95
 Ser Lys Val Ile Pro Asp Ser Asp Ala His Arg Ala Gly Leu Gln Glu
 100 105 110
 Gly Asp Gln Val Leu Ala Val Asn Asp Val Asp Phe Gln Asp Ile Glu
 115 120 125
 His Ser Lys Ala Val Glu Ile Leu Lys Thr Ala Arg Glu Ile Ser Met
 130 135 140
 Arg Val Arg Phe Phe Pro Tyr Asn Tyr His Arg Gln Lys Glu Arg Thr
 145 150 155 160
 Val His
 162

<210> 1160
<211> 295
<212>Amino acid
<213> Homo sapiens

<400> 1160
His Glu Gln Val Ser Ala Leu His Arg Arg Ile Lys Ala Ile Val Glu
1 5 10 15
Val Ala Ala Met Cys Gly Val Asn Ile Ile Cys Phe Gln Glu Ala Trp
20 25 30
Thr Met Pro Phe Ala Phe Cys Thr Arg Glu Lys Leu Pro Trp Thr Glu
35 40 45
Phe Ala Glu Ser Ala Glu Asp Gly Pro Thr Thr Arg Phe Cys Gln Lys
50 55 60
Leu Ala Lys Asn His Asp Met Val Val Val Ser Pro Ile Leu Glu Arg
65 70 75 80
Asp Ser Glu His Gly Asp Val Leu Trp Asn Thr Ala Val Val Ile Ser
85 90 95
Asn Ser Gly Ala Val Leu Gly Lys Thr Arg Lys Asn His Ile Pro Arg
100 105 110
Val Gly Asp Phe Asn Glu Ser Thr Tyr Tyr Met Glu Gly Asn Leu Gly
115 120 125
His Pro Val Phe Gln Thr Gln Phe Gly Arg Ile Ala Val Asn Ile Cys
130 135 140
Tyr Gly Arg His His Pro Leu Asn Trp Leu Met Tyr Ser Ile Asn Gly
145 150 155 160
Ala Glu Ile Ile Phe Asn Pro Ser Ala Thr Ile Gly Ala Leu Ser Glu
165 170 175
Ser Leu Trp Pro Ile Glu Ala Arg Asn Ala Ala Ile Ala Asn His Cys
180 185 190
Phe Thr Cys Ala Ile Asn Arg Val Gly Thr Glu His Phe Pro Asn Glu
195 200 205
Phe Thr Ser Gly Asp Gly Lys Lys Ala His Gln Asp Phe Gly Tyr Phe
210 215 220
Tyr Gly Ser Ser Tyr Val Ala Ala Pro Asp Ser Ser Arg Thr Pro Gly
225 230 235 240
Leu Ser Arg Ser Arg Asp Gly Leu Leu Val Ala Lys Leu Asp Leu Asn
245 250 255
Leu Cys Gln Gln Val Asn Asp Val Trp Asn Phe Lys Met Thr Gly Arg
260 265 270
Tyr Glu Met Tyr Ala Arg Glu Leu Ala Glu Ala Val Lys Ser Asn Tyr
275 280 285
Ser Pro Thr Ile Val Lys Glu
290 295

<210> 1161
<211> 1621
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1621)
<223> X = any amino acid or stop code

<400> 1161

Met Ala Lys Ser Gly Gly Cys Gly Ala Gly Ala Gly Val Gly Gly Gly
 1 5 10 15
 Asn Gly Ala Leu Thr Trp Val Asn Asn Ala Ala Lys Lys Glu Glu Ser
 20 25 30
 Glu Thr Ala Asn Lys Asn Asp Ser Ser Lys Lys Leu Ser Val Glu Arg
 35 40 45
 Val Tyr Gln Lys Lys Thr Gln Leu Glu His Ile Leu Leu Arg Pro Asp
 50 55 60
 Thr Tyr Ile Gly Ser Val Glu Pro Leu Thr Gln Phe Met Trp Val Tyr
 65 70 75 80
 Asp Glu Asp Val Gly Met Asn Cys Arg Glu Val Thr Phe Val Pro Gly
 85 90 95
 Leu Tyr Lys Ile Phe Asp Glu Ile Leu Val Asn Ala Ala Asp Asn Lys
 100 105 110
 Gln Arg Asp Lys Asn Met Thr Cys Ile Lys Val Ser Ile Asp Pro Glu
 115 120 125
 Ser Asn Ile Ile Ser Ile Trp Asn Asn Gly Lys Gly Ile Pro Val Val
 130 135 140
 Glu His Lys Val Glu Lys Val Tyr Val Pro Ala Leu Ile Phe Gly Gln
 145 150 155 160
 Leu Leu Thr Ser Ser Asn Tyr Asp Asp Asp Glu Lys Lys Val Thr Gly
 165 170 175
 Gly Arg Asn Gly Tyr Gly Ala Lys Leu Cys Asn Ile Phe Ser Thr Lys
 180 185 190
 Phe Thr Val Glu Thr Ala Cys Lys Glu Tyr Lys His Ser Phe Lys Gln
 195 200 205
 Thr Trp Met Asn Asn Met Met Lys Thr Ser Glu Ala Lys Ile Lys His
 210 215 220
 Phe Asp Gly Glu Asp Tyr Thr Cys Ile Thr Phe Gln Pro Asp Leu Ser
 225 230 235 240
 Lys Phe Lys Met Glu Lys Leu Asp Lys Asp Ile Val Ala Leu Met Thr
 245 250 255
 Arg Arg Ala Tyr Asp Leu Ala Gly Ser Cys Arg Gly Val Lys Val Met
 260 265 270
 Phe Asn Gly Lys Lys Leu Pro Val Asn Gly Phe Arg Ser Tyr Val Asp
 275 280 285
 Leu Tyr Val Lys Asp Lys Leu Asp Glu Thr Gly Val Ala Leu Lys Val
 290 295 300
 Ile His Glu Leu Ala Asn Glu Arg Trp Asp Val Cys Leu Thr Leu Ser
 305 310 315 320
 Glu Lys Gly Phe Gln Gln Ile Ser Phe Val Asn Ser Ile Ala Thr Thr
 325 330 335
 Lys Gly Arg His Val Asp Tyr Val Val Asp Gln Val Val Gly Lys
 340 345 350
 Leu Ile Glu Val Val Lys Lys Asn Lys Ala Gly Val Ser Val Lys
 355 360 365
 Pro Phe Gln Val Lys Asn His Ile Trp Val Phe Ile Asn Cys Leu Ile
 370 375 380
 Glu Asn Pro Thr Phe Asp Ser Gln Thr Lys Glu Asn Met Thr Leu Gln
 385 390 395 400
 Pro Lys Ser Phe Gly Ser Lys Cys Gln Leu Ser Glu Lys Phe Phe Lys
 405 410 415
 Ala Ala Ser Asn Cys Gly Ile Val Glu Ser Ile Leu Asn Trp Val Lys
 420 425 430
 Phe Lys Ala Gln Thr Gln Leu Asn Lys Lys Cys Ser Ser Val Lys Tyr
 435 440 445
 Ser Lys Ile Lys Gly Ile Pro Lys Leu Asp Asp Ala Asn Asp Ala Gly
 450 455 460
 Gly Lys His Ser Leu Glu Cys Thr Leu Ile Leu Thr Glu Gly Asp Ser
 465 470 475 480
 Ala Lys Ser Leu Ala Val Ser Gly Leu Gly Val Ile Gly Arg Asp Arg
 485 490 495
 Tyr Gly Val Phe Pro Leu Arg Gly Lys Ile Leu Asn Val Arg Glu Ala

500	505	510
Ser His Lys Gln Ile Met Glu Asn Ala Glu Ile Asn Asn Ile Ile Lys		
515	520	525
Ile Val Gly Leu Gln Tyr Lys Lys Ser Tyr Asp Asp Ala Gln Ser Leu		
530	535	540
Lys Thr Leu Arg Tyr Gly Lys Ile Met Ile Met Thr Asp Gln Asp Gln		
545	550	555
Asp Gly Ser His Ile Lys Gly Leu Leu Ile Asn Phe Ile His His Asn		
565	570	575
Trp Pro Ser Leu Leu Lys His Gly Phe Leu Glu Glu Phe Ile Thr Pro		
580	585	590
Ile Val Lys Ala Ser Lys Asn Lys Gln Glu Leu Ser Phe Tyr Ser Ile		
595	600	605
Pro Glu Phe Asp Glu Trp Lys Lys His Ile Glu Asn Gln Lys Ala Trp		
610	615	620
Lys Ile Lys Tyr Tyr Lys Gly Leu Gly Thr Ser Thr Ala Lys Glu Ala		
625	630	635
Lys Glu Tyr Phe Ala Asp Met Glu Arg His Arg Ile Leu Phe Arg Tyr		
645	650	655
Ala Gly Pro Glu Asp Asp Ala Ala Ile Thr Leu Ala Phe Ser Lys Lys		
660	665	670
Lys Ile Asp Asp Arg Lys Glu Trp Leu Thr Asn Phe Met Glu Asp Arg		
675	680	685
Arg Gln Arg Arg Leu His Gly Leu Pro Glu Gln Phe Leu Tyr Gly Thr		
690	695	700
Ala Thr Lys His Leu Thr Tyr Asn Asp Phe Ile Asn Lys Glu Leu Ile		
705	710	715
Leu Phe Ser Asn Ser Asp Asn Glu Arg Ser Ile Pro Ser Leu Val Asp		
725	730	735
Gly Phe Lys Pro Gly Gln Arg Lys Val Leu Phe Thr Cys Phe Lys Arg		
740	745	750
Asn Asp Lys Arg Glu Val Lys Val Ala Gln Leu Ala Gly Ser Val Ala		
755	760	765
Glu Met Ser Ala Tyr His His Gly Glu Gln Ala Leu Met Met Thr Ile		
770	775	780
Val Asn Leu Ala Gln Asn Phe Val Gly Ser Asn Asn Ile Asn Leu Leu		
785	790	795
Gln Pro Ile Gly Gln Phe Gly Thr Arg Leu His Gly Gly Lys Asp Ala		
805	810	815
Ala Ser Pro Arg Tyr Ile Phe Thr Met Leu Ser Thr Leu Ala Arg Leu		
820	825	830
Leu Phe Pro Ala Val Asp Asp Asn Leu Leu Lys Phe Leu Tyr Asp Asp		
835	840	845
Asn Gln Arg Val Glu Pro Glu Trp Tyr Ile Pro Ile Ile Pro Met Val		
850	855	860
Leu Ile Asn Gly Ala Glu Gly Ile Gly Thr Gly Trp Ala Cys Lys Leu		
865	870	875
Pro Asn Tyr Asp Ala Arg Glu Ile Val Asn Asn Val Arg Arg Met Leu		
885	890	895
Asp Gly Leu Asp Pro His Pro Met Leu Pro Asn Tyr Lys Asn Phe Lys		
900	905	910
Gly Thr Ile Gln Glu Leu Gly Gln Asn Gln Tyr Ala Val Ser Gly Glu		
915	920	925
Ile Phe Val Val Asp Arg Asn Thr Val Glu Ile Thr Glu Leu Pro Val		
930	935	940
Arg Thr Trp Thr Gln Val Tyr Lys Glu Gln Val Leu Glu Pro Met Leu		
945	950	955
Asn Gly Thr Asp Lys Thr Pro Ala Leu Ile Ser Asp Tyr Lys Glu Tyr		
965	970	975
His Thr Asp Thr Thr Val Lys Phe Val Val Lys Met Thr Glu Glu Lys		
980	985	990
Leu Ala Gln Ala Glu Ala Ala Gly Leu His Lys Val Phe Lys Leu Gln		
995	1000	1005
Thr Thr Leu Thr Cys Asn Ser Met Val Leu Phe Asp His Met Gly Cys		

1010	1015	1020
Leu Lys Lys Tyr Glu Thr Val Gln Asp Ile Leu Lys Glu Phe Phe Asp		
1025	1030	1035
Leu Arg Leu Ser Tyr Tyr Gly Leu Arg Lys Glu Trp Leu Val Gly Met		1040
1045	1050	1055
Leu Gly Ala Glu Phe Thr Lys Leu Asn Asn Gln Ala Arg Phe Ile Leu		
1060	1065	1070
Glu Lys Ile Gln Gly Lys Ile Thr Ile Xaa Asn Arg Ser Lys Lys Asp		
1075	1080	1085
Leu Ile Gln Met Leu Val Gln Arg Gly Tyr Glu Ser Asp Pro Val Lys		
1090	1095	1100
Ala Trp Lys Glu Ala Gln Glu Lys Ala Ala Glu Glu Asp Glu Thr Gln		
1105	1110	1115
Asn Gln His Asp Asp Ser Ser Asp Ser Gly Thr Pro Ser Gly Pro		1120
1125	1130	1135
Asp Phe Asn Tyr Ile Leu Asn Met Ser Leu Trp Ser Leu Thr Lys Glu		
1140	1145	1150
Lys Val Glu Glu Leu Ile Lys Gln Arg Asp Ala Lys Gly Arg Glu Val		
1155	1160	1165
Asn Asp Leu Lys Arg Lys Ser Pro Ser Asp Leu Trp Lys Glu Asp Leu		
1170	1175	1180
Ala Ala Phe Val Glu Glu Leu Asp Lys Val Glu Ser Gln Glu Arg Glu		
1185	1190	1195
Asp Val Leu Ala Gly Met Ser Gly Lys Ala Ile Lys Gly Lys Val Gly		1200
1205	1210	1215
Lys Pro Lys Val Lys Lys Leu Gln Leu Glu Glu Thr Met Pro Ser Pro		
1220	1225	1230
Tyr Gly Arg Arg Ile Ile Pro Glu Ile Thr Ala Met Lys Ala Asp Ala		
1235	1240	1245
Ser Lys Lys Leu Leu Lys Lys Lys Gly Asp Leu Asp Thr Ala Ala		
1250	1255	1260
Val Lys Val Glu Phe Asp Glu Glu Phe Ser Gly Ala Pro Val Glu Gly		
1265	1270	1275
Ala Gly Glu Ala Leu Thr Pro Ser Val Pro Ile Asn Lys Gly Pro		
1285	1290	1295
Lys Pro Lys Arg Glu Lys Lys Glu Pro Gly Thr Arg Val Arg Lys Thr		
1300	1305	1310
Pro Thr Ser Ser Gly Lys Pro Ser Ala Lys Lys Val Lys Lys Arg Asn		
1315	1320	1325
Pro Trp Ser Asp Asp Glu Ser Lys Ser Asp Leu Glu Glu Thr		
1330	1335	1340
Glu Pro Val Val Ile Pro Arg Asp Ser Leu Leu Arg Arg Ala Ala		
1345	1350	1355
Glu Arg Pro Lys Tyr Thr Phe Asp Phe Ser Glu Glu Asp Asp Asp		1360
1365	1370	1375
Ala Asp Asp Asp Asp Asp Asn Asn Asp Leu Glu Glu Leu Lys Val		
1380	1385	1390
Lys Ala Ser Pro Ile Thr Asn Asp Gly Glu Asp Glu Phe Val Pro Ser		
1395	1400	1405
Asp Gly Leu Asp Lys Asp Glu Tyr Thr Phe Ser Pro Gly Lys Ser Lys		
1410	1415	1420
Ala Thr Pro Glu Lys Ser Leu His Asp Lys Ser Gln Asp Phe Gly		
1425	1430	1435
Asn Leu Phe Ser Phe Pro Ser Tyr Ser Gln Lys Ser Glu Asp Asp Ser		1440
1445	1450	1455
Ala Lys Phe Asp Ser Asn Glu Glu Asp Ser Ala Ser Val Phe Ser Pro		
1460	1465	1470
Ser Phe Gly Leu Lys Gln Thr Asp Lys Val Pro Ser Lys Thr Val Ala		
1475	1480	1485
Ala Lys Lys Gly Lys Pro Ser Ser Asp Thr Val Pro Lys Pro Lys Arg		
1490	1495	1500
Ala Pro Lys Gln Lys Lys Val Val Glu Ala Val Asn Ser Asp Ser Asp		
1505	1510	1515
Ser Glu Phe Gly Ile Pro Lys Lys Thr Thr Pro Lys Gly Lys Gly		1520

1525	1530	1535
Arg Gly Ala Lys Lys Arg Lys Ala Ser Gly Ser Glu Asn Glu Gly Asp		
1540	1545	1550
Tyr Asn Pro Gly Arg Lys Thr Ser Lys Thr Thr Ser Lys Lys Pro Lys		
1555	1560	1565
Lys Thr Ser Phe Asp Gln Asp Ser Asp Val Asp Ile Phe Pro Ser Asp		
1570	1575	1580
Phe Pro Thr Glu Pro Pro Ser Leu Pro Arg Thr Gly Arg Ala Arg Lys		
1585	1590	1595
Glu Val Lys Tyr Phe Ala Glu Ser Asp Glu Glu Glu Asp Asp Val Asp		
1605	1610	1615
Phe Ala Met Phe Asn		
1620	1621	

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<210> 1162  
<211> 73  
<212>Amino acid  
<213> Homo sapiens
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<220>
<221> misc_feature
<222> (1)...(73)
<223> X = any amino acid or stop code
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<400> 1162
 Lys Gly Cys Leu Ala Ala Ser Phe Asn Cys Ile Phe Leu Tyr Thr Gly
 1 5 10 15
 Glu Leu Tyr Pro Thr Met Ile Arg Xaa Val Glu Ala Xaa Trp Glu Asn
 20 25 30
 Asp Ser Leu Phe Leu Gly Lys Asp Ile Leu Leu Cys Thr Gly Gln Thr
 35 40 45
 Pro Glu Leu Asn Gln Val His Pro Ser Pro Lys Ala Pro Pro Asn Thr
 50 55 60
 His His Cys Lys Ala His Ser Ser His
 65 70 73

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<210> 1163  
<211> 336  
<212>Amino acid  
<213> Homo sapiens
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<400> 1163
 Glu Asn Ser Phe Glu Cys Lys Asp Cys Gly Lys Ala Phe Ser Arg Gly
 1 5 10 15
 Tyr Gln Leu Ser His His Gln Lys Ile His Thr Gly Glu Lys Pro Tyr
 20 25 30
 Glu Cys Lys Glu Cys Lys Lys Ala Phe Arg Trp Gly Asn Gln Leu Thr
 35 40 45
 Gln His Gln Lys Ile His Thr Gly Glu Lys Pro Tyr Glu Cys Lys Asp
 50 55 60
 Cys Gly Lys Ala Phe Arg Trp Gly Ser Ser Leu Val Ile His Lys Arg
 65 70 75 80
 Ile His Thr Gly Glu Lys Pro Tyr Glu Cys Lys Asp Cys Gly Lys Ala
 85 90 95

Phe Arg Arg Gly Asp Glu Leu Thr Gln His Gln Arg Phe His Thr Gly
 100 105 110
 Glu Lys Asp Tyr Glu Cys Lys Asp Cys Gly Lys Thr Phe Ser Arg Val
 115 120 125
 Tyr Lys Leu Ile Gln His Lys Arg Ile His Ser Gly Glu Lys Pro Tyr
 130 135 140
 Glu Cys Lys Asp Cys Gly Lys Ala Phe Ile Cys Gly Ser Ser Leu Ile
 145 150 155 160
 Gln His Lys Arg Ile His Thr Gly Glu Lys Pro Tyr Glu Cys Gln Glu
 165 170 175
 Cys Gly Lys Ala Phe Thr Arg Val Asn Tyr Leu Thr Gln His Gln Lys
 180 185 190
 Ile His Thr Gly Glu Lys Pro His Glu Cys Lys Glu Cys Gly Lys Ala
 195 200 205
 Phe Arg Trp Gly Ser Ser Leu Val Lys His Glu Arg Ile His Thr Gly
 210 215 220
 Glu Lys Pro Tyr Lys Cys Thr Glu Cys Gly Lys Ala Phe Asn Cys Gly
 225 230 235 240
 Tyr His Leu Thr Gln His Glu Arg Ile His Thr Gly Glu Thr Pro Tyr
 245 250 255
 Lys Cys Lys Glu Cys Gly Lys Ala Phe Ile Tyr Gly Ser Ser Leu Val
 260 265 270
 Lys His Glu Arg Ile His Thr Gly Val Lys Pro Tyr Gly Cys Thr Glu
 275 280 285
 Cys Gly Lys Ser Phe Ser His Gly His Gln Leu Thr Gln His Gln Lys
 290 295 300
 Thr His Ser Gly Ala Lys Ser Tyr Glu Cys Lys Glu Cys Gly Lys Ala
 305 310 315 320
 Cys Asn His Leu Asn His Leu Arg Glu His Gln Arg Ile His Asn Ser
 325 330 335 336

<210> 1164
<211> 118
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(118)
<223> X = any amino acid or stop code

<400> 1164
His Gln Tyr Leu Asp Asp Leu Tyr Pro Leu His Val Met Thr Ile Leu
 1 5 10 15
Leu Lys Ser His Phe Phe Thr Met Leu Lys Arg Pro Val Gly Ser Ser
 20 25 30
Ser Phe Ala Ser Leu Pro Phe Tyr His Gln Ser Ile Leu Leu Arg Lys
 35 40 45
Asn Gln Met Lys Arg Lys Lys Thr Gln Gln Asp Leu Thr His Ile Asn
 50 55 60
Trp Thr Leu Gln Ala Val Ser Ile Gln Thr Cys Ile Trp Leu Gln Lys
 65 70 75 80
Lys Pro Ser Ser Tyr Phe His Gln Leu Pro Asn Gln Val Leu Xaa Pro
 85 90 95
Glu Asn Ser Gly Pro Glu Ser Cys Leu Tyr Asp Leu Ala Ala Val Val
 100 105 110
Val His His Gly Ser Gly

115

118

<210> 1165
<211> 146
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(146)
<223> X = any amino acid or stop code

<400> 1165
Xaa Leu Asp Pro Asp Thr Leu Pro Ala Val Ala Thr Leu Leu Met Asp
1 5 10 15
Val Met Phe Tyr Ser Asn Gly Val Lys Asp Pro Met Ala Thr Gly Asp
20 25 30
Asp Cys Gly His Ile Arg Phe Phe Ser Phe Ser Leu Ile Glu Gly Tyr
35 40 45
Ile Ser Leu Val Met Asp Val Gln Thr Gln Gln Arg Phe Pro Ser Asn
50 55 60
Leu Leu Phe Thr Ser Ala Ser Gly Glu Leu Trp Lys Met Val Arg Ile
65 70 75 80
Gly Gly Gln Pro Leu Gly Phe Gly Pro Val Trp Glu Ser Gly Pro Thr
85 90 95
Gly Pro Thr Ser Pro Leu Ile Leu Pro Val Thr Pro Ser Ser Ser His
100 105 110
Arg Gln Ala Ala Ser Gln Val Thr Thr Thr Lys Gln Gly Gln Trp Leu
115 120 125
Cys Leu Lys Arg Pro Ser Ala Arg Ser Pro Asp His Thr Ala Cys Leu
130 135 140
Gly *
145

<210> 1166
<211> 84
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(84)
<223> X = any amino acid or stop code

<400> 1166
Glu Ala Pro Leu Thr Ser Val Cys Phe Ser Leu Glu Arg Arg Phe Gly
1 5 10 15
Ser Ser Ser Asn Thr Thr Ser Phe Gly Thr Leu Ala Ser Gln Asn Ala
20 25 30
Pro Thr Phe Gly Ser Leu Ser Gln Gln Thr Ser Gly Phe Gly Thr Gln
35 40 45
Ser Ser Gly Phe Ser Gly Phe Gly Ser Gly Thr Gly Gly Phe Ser Phe
50 55 60
Gly Ser Asn Asn Ser Xaa Val Ser Pro Phe Leu Ser Leu Thr Leu Ile

65	70	75	80
Lys Ser Ile Lys			
84			

<210> 1167
 <211> 112
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(112)
 <223> X = any amino acid or stop code

<400> 1167
 Glu Glu Pro Gln Gly Ser Pro Ile Trp Val Trp Leu Ala Gly Ser Leu
 1 5 10 15
 Thr Ser Val Ser Cys Phe Leu Pro Phe Gln Arg Met Arg Ile Lys Pro
 20 25 30
 His Gln Gly Gln Tyr Ile Gly Glu Met Ser Phe Leu Gln His His Lys
 35 40 45
 Gly Glu Cys Arg Pro Gln Lys Asp Xaa Ala Arg Gln Glu Asn Pro Cys
 50 55 60
 Gly Pro Cys Ser Glu Arg Arg Lys His Leu Leu Gly Gln Asp Pro Lys
 65 70 75 80
 Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser Arg Cys Lys Ala Arg
 85 90 95
 Pro Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys Asp Lys Pro Arg Arg
 100 105 110 112

<210> 1168
 <211> 319
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(319)
 <223> X = any amino acid or stop code

<400> 1168
 Thr Leu Trp Ala Gly Pro Gly Leu Cys Pro Gln Ser His Ser Ser Ser
 1 5 10 15
 Ser Val Pro Ala Pro Trp Glu Pro His Val Glu Arg Ala Leu Arg Thr
 20 25 30
 Asp Arg Asn Gln Gly Gln Arg Pro Leu Leu Ser Ala Ser Trp Ala Pro
 35 40 45
 Ala Pro Ala Arg Pro Leu Phe Leu Thr Ser Pro Val Leu Leu Pro Lys
 50 55 60
 Ser Arg Ala Ile Pro Ala Ala Arg Asp Pro Ser Xaa Ala Gly Ile Phe
 65 70 75 80
 Cys Leu Leu Glu Met Ala Gly Gly Gln Ala Ser Val Val Ile Ile Gly

85	90	95
Ser Ala Gly Val Leu Gly Cys Arg Trp Gly Ser Ser Gly Lys Ser His		
100	105	110
Ser Leu Ser Pro Ser Arg Lys Gly Asn Leu His Leu Leu Ser Gln Glu		
115	120	125
Pro Gln Thr Thr Val Val His Asn Ala Thr Asp Gly Ile Lys Gly Ser		
130	135	140
Thr Glu Ser Cys Asn Thr Thr Glu Asp Glu Asp Leu Lys Val Arg		
145	150	155
Lys Gln Glu Ile Ile Lys Ile Thr Glu Gln Leu Ile Glu Ala Ile Asn		
165	170	175
Asn Gly Asp Phe Glu Ala Tyr Thr Lys Ile Cys Asp Pro Gly Leu Thr		
180	185	190
Ser Phe Glu Pro Glu Ala Leu Gly Asn Leu Val Glu Gly Met Asp Phe		
195	200	205
His Lys Phe Tyr Phe Glu Asn Arg Glu Trp Val Arg Ala Ala Asp Ile		
210	215	220
Leu Leu Pro Ala Pro Leu Pro Leu Cys Leu Cys Leu Leu Leu Thr Phe		
225	230	235
Ser Ser Gln Leu Pro Thr Phe Pro Leu Phe Asp Leu Arg Ala Ala Leu		
245	250	255
Leu Leu Cys Met Leu Val Pro Leu Cys Pro Asp Gly Cys Arg Gln Ala		
260	265	270
Pro Leu Lys Ala Leu Leu Ser Ser Lys Cys His Ser Phe Cys Ser		
275	280	285
Cys Phe Val Ala Val Pro Val Thr Thr Ile Lys Leu Thr Tyr Phe Leu		
290	295	300
Pro Gly Ala Val Ala Tyr Ala Cys Asn Pro Asn Thr Leu Gly Gly		
305	310	315
		319

<210> 1169
 <211> 96
 <212>Amino acid
 <213> Homo sapiens

<400> 1169		
Glu Arg Ala Gly Ala Gly Gly Ala Ala Ala Cys Arg Ala Gly Thr Arg		
1	5	10
Ser Gly Ala Thr Ser Arg Thr Pro Trp Pro Leu His Arg Gln Leu Ser		
20	25	30
Met Met Leu Met Leu Ala Gln Ser Asn Pro Gln Leu Phe Ala Leu Met		
35	40	45
Gly Thr Arg Ala Gly Ile Ala Arg Glu Leu Glu Arg Val Glu Gln Gln		
50	55	60
Ser Arg Leu Glu Gln Leu Ser Ala Ala Glu Leu Gln Ser Arg Asn Gln		
65	70	75
Gly His Trp Ala Asp Trp Leu Gln Ala Tyr Arg Ala Arg Leu Gly Gln		
85	90	95 96

<210> 1170
 <211> 145
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(145)

<223> X = any amino acid or stop code

<400> 1170

Asn	Gly	Thr	Leu	Phe	Ile	Met	Val	Met	His	Ile	Lys	Asp	Leu	Val	Ser
1						5				10					15
Asp	Tyr	Lys	Glu	Xaa	Trp	Leu	Xaa	Arg	Lys	Pro	Leu	Pro	Trp	Xaa	Glu
						20				25				30	
Ala	Leu	Leu	Leu	Arg	Asp	Cys	Phe	Phe	Xaa	Val	Thr	Glu	Asn	Gly	
						35				40			45		
Ala	Asp	Pro	Asn	Pro	Tyr	Val	Lys	Thr	Tyr	Leu	Leu	Pro	Asp	Asn	His
						50				55			60		
Lys	Thr	Ser	Lys	Arg	Lys	Thr	Lys	Ile	Ser	Arg	Lys	Thr	Arg	Asn	Pro
						65				70			75		80
Thr	Phe	Asn	Glu	Met	Leu	Val	Tyr	Ser	Gly	Tyr	Ser	Lys	Glu	Thr	Leu
						85				90			95		
Arg	Gln	Arg	Glu	Leu	Gln	Leu	Ser	Val	Leu	Ser	Ala	Glu	Ser	Leu	Arg
						100				105			110		
Glu	Asn	Phe	Phe	Leu	Gly	Gly	Val	Thr	Leu	Pro	Leu	Lys	Asp	Phe	Asn
						115				120			125		
Leu	Ser	Lys	Glu	Thr	Val	Lys	Trp	Tyr	Gln	Leu	Thr	Ala	Ala	Thr	Tyr
						130				135			140		
Leu															
															145

<210> 1171

<211> 464

<212>Amino acid

<213> Homo sapiens

<400> 1171

Leu	His	Arg	Ile	Met	Gln	Leu	Ala	Val	Val	Val	Ser	Gln	Val	Leu	Glu
1						5				10				15	
Asn	Gly	Ser	Ser	Val	Leu	Val	Cys	Leu	Glu	Glu	Gly	Trp	Asp	Ile	Thr
						20				25			30		
Ala	Gln	Val	Thr	Ser	Leu	Val	Gln	Leu	Leu	Ser	Asp	Pro	Phe	Tyr	Arg
						35				40			45		
Thr	Leu	Glu	Gly	Phe	Gln	Met	Leu	Val	Glu	Lys	Glu	Trp	Leu	Ser	Phe
						50				55			60		
Gly	His	Lys	Phe	Ser	Gln	Arg	Ser	Ser	Leu	Thr	Leu	Asn	Cys	Gln	Gly
						65				70			75		80
Ser	Gly	Phe	Ala	Pro	Val	Phe	Leu	Gln	Phe	Leu	Asp	Cys	Val	His	Gln
						85				90			95		
Val	His	Asn	Gln	Tyr	Pro	Thr	Glu	Phe	Glu	Phe	Asn	Leu	Tyr	Tyr	Leu
						100				105			110		
Lys	Phe	Leu	Ala	Phe	His	Tyr	Val	Ser	Asn	Arg	Phe	Lys	Thr	Phe	Leu
						115				120			125		
Leu	Asp	Ser	Asp	Tyr	Glu	Arg	Leu	Glu	His	Gly	Thr	Leu	Phe	Asp	Asp
						130				135			140		
Lys	Gly	Glu	Lys	His	Ala	Lys	Gly	Val	Cys	Ile	Trp	Glu	Cys	Ile	
						145				150			155		160
Asp	Arg	Met	His	Lys	Arg	Ser	Pro	Ile	Phe	Phe	Asn	Tyr	Leu	Tyr	Ser
						165				170			175		
Pro	Leu	Glu	Ile	Glu	Ala	Leu	Lys	Pro	Asn	Val	Asn	Val	Ser	Ser	Leu
						180				185			190		

Lys Lys Trp Asp Tyr Tyr Ile Glu Glu Thr Leu Ser Thr Gly Pro Ser
 195 200 205
 Tyr Asp Trp Met Met Leu Thr Pro Lys His Phe Pro Ser Glu Asp Ser
 210 215 220
 Asp Leu Ala Gly Glu Ala Gly Pro Arg Ser Gln Arg Arg Thr Val Trp
 225 230 235 240
 Pro Cys Tyr Asp Asp Val Ser Cys Thr Gln Pro Asp Ala Leu Thr Ser
 245 250 255
 Leu Phe Ser Glu Ile Glu Lys Leu Glu His Lys Leu Asn Gln Ala Pro
 260 265 270
 Glu Lys Trp Gln Gln Leu Trp Glu Arg Val Thr Val Asp Leu Lys Glu
 275 280 285
 Glu Pro Arg Thr Asp Arg Ser Gln Arg His Leu Ser Arg Ser Pro Gly
 290 295 300
 Ile Val Ser Thr Asn Leu Pro Ser Tyr Gln Lys Arg Ser Leu Leu His
 305 310 315 320
 Leu Pro Asp Ser Ser Met Gly Glu Glu Gln Asn Ser Ser Ile Ser Pro
 325 330 335
 Ser Asn Gly Val Glu Arg Arg Ala Ala Thr Leu Tyr Ser Gln Tyr Thr
 340 345 350
 Ser Lys Asn Asp Glu Asn Arg Ser Phe Glu Gly Thr Leu Tyr Lys Arg
 355 360 365
 Gly Ala Leu Leu Lys Gly Trp Lys Pro Arg Trp Phe Val Leu Asp Val
 370 375 380
 Thr Lys His Gln Leu Arg Tyr Tyr Asp Ser Gly Glu Asp Thr Ser Cys
 385 390 395 400
 Lys Gly His Ile Asp Leu Ala Glu Val Glu Met Val Ile Pro Ala Gly
 405 410 415
 Pro Ser Met Gly Ala Pro Lys His Thr Ser Asp Lys Ala Phe Phe Asp
 420 425 430
 Leu Lys Thr Ser Lys Arg Val Tyr Asn Phe Cys Ala Gln Asp Gly Gln
 435 440 445
 Ser Ala Gln Gln Trp Met Asp Lys Ile Gln Ser Cys Ile Ser Asp Ala
 450 455 460 464

<210> 1172
 <211> 256
 <212>Amino acid
 <213> Homo sapiens

<400> 1172
 Glu Val Glu Gly Pro Arg Arg Val Ser Pro Ala Pro Glu Thr Leu Gly
 1 5 10 15
 Met Glu Glu Ser Val Val Arg Pro Ser Val Phe Val Val Asp Gly Gln
 20 25 30
 Thr Asp Ile Pro Phe Thr Arg Leu Gly Arg Ser His Arg Arg Gln Ser
 35 40 45
 Cys Ser Val Ala Arg Val Gly Leu Gly Leu Leu Leu Leu Met Gly
 50 55 60
 Ala Gly Leu Ala Val Gln Gly Trp Phe Leu Leu Gln Leu His Trp Arg
 65 70 75 80
 Leu Gly Glu Met Val Thr Arg Leu Pro Asp Gly Pro Ala Gly Ser Trp
 85 90 95
 Glu Gln Leu Ile Gln Glu Arg Arg Ser His Glu Val Asn Pro Ala Ala
 100 105 110
 His Leu Thr Gly Ala Asn Ser Ser Leu Thr Gly Ser Gly Gly Pro Leu
 115 120 125

Leu Trp Glu Thr Gln Leu Gly Leu Ala Phe Leu Arg Gly Leu Ser Tyr
 130 135 140
 His Asp Gly Ala Leu Val Val Thr Lys Ala Gly Tyr Tyr Tyr Ile Tyr
 145 150 155 160
 Ser Lys Val Gln Leu Gly Gly Val Gly Cys Pro Leu Gly Leu Ala Ser
 165 170 175
 Thr Ile Thr His Gly Leu Tyr Lys Arg Thr Pro Arg Tyr Pro Glu Glu
 180 185 190
 Leu Glu Leu Leu Val Ser Gln Gln Ser Pro Cys Gly Arg Ala Thr Ser
 195 200 205
 Ser Ser Arg Val Trp Trp Asp Ser Ser Phe Leu Gly Gly Val Val His
 210 215 220
 Leu Glu Ala Gly Glu Glu Val Val Val Arg Val Leu Asp Glu Arg Leu
 225 230 235 240
 Val Arg Leu Arg Asp Gly Thr Arg Ser Tyr Phe Gly Ala Phe Met Val
 245 250 255 256

<210> 1173
 <211> 117
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(117)
 <223> X = any amino acid or stop code

<400> 1173
 Gln Ser Ala Glu Leu Gly Pro Arg Arg Glu Gly Ser Arg Arg Pro
 1 5 10 15
 Ser Cys Thr Lys Ala Ser Lys Pro Trp Arg Arg Arg Pro Gly Gly Pro
 20 25 30
 Thr Ser Gly Leu Gly Xaa Gly Pro Leu Ser Pro Gly Pro Tyr Gln Cys
 35 40 45
 Arg Pro Ser Leu Pro Ala Gln Leu Tyr Pro Gln Ser Leu Met Ala Ala
 50 55 60
 Ala Thr Leu Arg Thr Pro Thr Gln Val Ser Ala Ala Ser Ser Arg Pro
 65 70 75 80
 His Thr Pro Ser Pro Thr His Val Leu Lys Pro Ser Val Arg Gly Ala
 85 90 95
 Cys Ser Ser Pro Arg Cys Pro Gly Ser Gly Thr Leu Arg Arg Ser Trp
 100 105 110
 Val Gly Pro Phe Phe
 115 117

<210> 1174
 <211> 370
 <212>Amino acid
 <213> Homo sapiens

<400> 1174
 Leu Trp Trp Pro Pro Leu Ser Arg His Ala Ala His Arg Gln Trp Pro

1	5	10	15
Gly Pro Thr Ala Pro Arg Gly Leu Gly His Lys Val Lys Gly Arg Gly			
20	25	30	
Ala Ser Pro Ala Ala Met Trp Ser Cys Ser Trp Phe Asn Gly Thr Gly			
35	40	45	
Leu Val Glu Glu Leu Pro Ala Cys Gln Asp Leu Gln Leu Gly Leu Ser			
50	55	60	
Leu Leu Ser Leu Leu Gly Leu Val Val Gly Val Pro Val Gly Leu Cys			
65	70	75	80
Tyr Asn Ala Leu Leu Val Leu Ala Asn Leu His Ser Lys Ala Ser Met			
85	90	95	
Thr Met Pro Asp Val Tyr Phe Val Asn Met Ala Val Ala Gly Leu Val			
100	105	110	
Leu Ser Ala Leu Ala Pro Val His Leu Leu Gly Pro Pro Ser Ser Arg			
115	120	125	
Trp Ala Leu Trp Ser Val Gly Gly Glu Val His Val Ala Leu Gln Ile			
130	135	140	
Pro Phe Asn Val Ser Ser Leu Val Ala Met Tyr Ser Thr Ala Leu Leu			
145	150	155	160
Ser Leu Asp His Tyr Ile Glu Arg Ala Leu Pro Arg Thr Tyr Met Ala			
165	170	175	
Ser Val Tyr Asn Thr Arg His Val Cys Gly Phe Val Trp Gly Gly Ala			
180	185	190	
Leu Leu Thr Ser Phe Ser Ser Leu Leu Phe Tyr Ile Cys Ser His Val			
195	200	205	
Ser Thr Arg Ala Leu Glu Cys Ala Lys Met Gln Asn Ala Glu Ala Ala			
210	215	220	
Asp Ala Thr Leu Val Phe Ile Gly Tyr Val Val Pro Ala Leu Ala Thr			
225	230	235	240
Leu Tyr Ala Leu Val Leu Leu Ser Arg Val Arg Arg Glu Asp Thr Pro			
245	250	255	
Leu Asp Arg Asp Thr Gly Arg Leu Glu Pro Ser Ala His Arg Leu Leu			
260	265	270	
Val Ala Thr Val Cys Thr Gln Phe Gly Leu Trp Thr Pro His Tyr Leu			
275	280	285	
Ile Leu Leu Gly His Thr Val Ile Ile Ser Arg Gly Lys Pro Val Asp			
290	295	300	
Ala His Tyr Leu Gly Leu Leu His Phe Val Lys Asp Phe Ser Lys Leu			
305	310	315	320
Leu Ala Phe Ser Ser Phe Val Thr Pro Leu Leu Tyr Arg Tyr Met			
325	330	335	
Asn Gln Ser Phe Pro Ser Lys Leu Gln Arg Leu Met Lys Lys Leu Pro			
340	345	350	
Cys Gly Asp Arg His Cys Ser Pro Asp His Met Gly Val Gln Gln Val			
355	360	365	
Leu Ala			
370			

<210> 1175

<211> 145

<212>Amino acid

<213> Homo sapiens

<400> 1175

Ser Glu Ser Glu Leu Phe Thr Leu Met Pro Ser Leu Pro Thr Thr Asn			
1	5	10	15
Cys Val His Ser Leu Gln Met Ile Pro Pro Leu Ser Pro Ala Pro Asn			
20	25	30	
Gln Glu Leu Val Leu Gly Leu Cys Tyr Met Ser Tyr Leu Ala Phe Leu			

35	40	45
Tyr Met Thr Phe Asp Phe Cys Cys Leu Tyr Phe Ser Thr Val Tyr Ala		
50	55	60
Pro Ser Phe Lys Tyr Ile Cys Val His Thr Asp Thr His Ile Cys Val		
65	70	75
Cys Val Cys Ile Tyr Leu Ser Ser Val Val Ser Lys Ser Ser Ala Glu		
85	90	95
Ala Asp Gly Val Leu Gln Pro Arg Arg His Pro Ala Ser Leu Leu Ile		
100	105	110
Val Phe Ala Thr Ser Ile Ser Glu Ser Ser Leu Leu Ile Phe Ser Phe		
115	120	125
Gln Lys Thr Glu Ala Lys Leu Ile Val Phe Ala Val Ser Leu Ala Ala		
130	135	140
Lys		
145		

<210> 1176
 <211> 50
 <212>Amino acid
 <213> Homo sapiens

<400> 1176		
Phe	Phe	Leu Arg Gln Ser Leu Thr Leu Ser Pro Arg Leu Glu Cys
1	5	10 15
Ser	Gly Ala Thr Ser Ala Ser Pro Ser Ala Gly Ile Thr Gly Met Ser	
20	25	30.
His	His Ser Gln Pro Ile Val Asn Phe Leu Arg Ala Cys Ile Pro Ile	
35	40	45
Ser Lys		
50		

<210> 1177
 <211> 231
 <212>Amino acid
 <213> Homo sapiens

<400> 1177		
Arg	Gln His Ala Glu Glu Arg Gly Arg Arg Asn Pro Lys Thr Gly Leu	
1	5	10 15
Thr	Leu Glu Arg Val Gly Pro Glu Ser Ser Pro Tyr Leu Leu Arg Arg	
20	25	30
His	Gln Arg Gln Gly Gln Glu Gly Glu His Tyr His Ser Cys Val Gln	
35	40	45
Leu	Ala Pro Thr Arg Gly Leu Glu Glu Ser Gly His Gly Pro Leu Ser	
50	55	60
Leu	Ala Gly Gly Pro Arg Val Gly Gly Val Ala Ala Ala Ala Thr Glu	
65	70	75 80
Ala	Pro Arg Met Glu Trp Lys Val Lys Val Arg Ser Asp Gly Thr Arg	
85	90	95
Tyr	Val Ala Lys Arg Pro Val Arg Asp Arg Leu Leu Lys Ala Arg Ala	
100	105	110
Leu	Lys Ile Arg Glu Glu Arg Ser Gly Met Thr Thr Asp Asp Asp Ala	
115	120	125
Val	Ser Glu Met Lys Met Gly Arg Tyr Trp Ser Lys Glu Glu Arg Lys	

130	135	140
Gln His Leu Ile Arg Ala Arg Glu Gln Arg Lys Arg Arg Glu Phe Met		
145	150	155
Met Gln Ser Arg Leu Glu Cys Leu Arg Glu Gln Gln Asn Gly Asp Ser		
165	170	175
Lys Pro Glu Leu Asn Ile Ile Ala Leu Ser His Arg Lys Thr Met Lys		
180	185	190
Lys Arg Asn Lys Lys Ile Leu Asp Asn Trp Ile Thr Ile Gln Glu Met		
195	200	205
Leu Ala His Gly Ala Arg Ser Ala Asp Gly Lys Arg Val Tyr Asn Pro		
210	215	220
Leu Leu Ser Val Thr Thr Val		
225	230	231

<210> 1178
 <211> 204
 <212>Amino acid
 <213> Homo sapiens

<400> 1178		
Ser Asp Arg Gly Cys Ser Ala Ala Ala Gly Arg Asn Met Thr Ala Val		
1	5	10
Gly Val Gln Ala Gln Arg Pro Leu Gly Gln Arg Gln Pro Arg Arg Ser		
20	25	30
Phe Phe Glu Ser Phe Ile Arg Thr Leu Ile Ile Thr Cys Val Ala Leu		
35	40	45
Ala Val Val Leu Ser Ser Val Ser Ile Cys Asp Gly His Trp Leu Leu		
50	55	60
Ala Glu Asp Arg Leu Phe Gly Leu Trp His Phe Cys Thr Thr Thr Asn		
65	70	75
Gln Ser Val Pro Ile Cys Phe Arg Asp Leu Gly Gln Ala His Val Pro		
85	90	95
Gly Leu Ala Val Gly Met Gly Leu Val Arg Ser Val Gly Ala Leu Ala		
100	105	110
Val Val Ala Ala Ile Phe Gly Leu Glu Phe Leu Met Val Ser Gln Leu		
115	120	125
Cys Glu Asp Lys His Ser Gln Cys Lys Trp Val Met Gly Ser Ile Leu		
130	135	140
Leu Leu Val Ser Phe Val Leu Ser Ser Gly Gly Leu Leu Gly Phe Val		
145	150	155
Ile Leu Leu Arg Asn Gln Val Thr Leu Ile Gly Phe Thr Leu Met Phe		
165	170	175
Trp Cys Glu Phe Thr Ala Ser Phe Leu Leu Phe Leu Asn Ala Ile Ser		
180	185	190
Gly Leu His Ile Asn Ser Ile Thr His Pro Trp Glu		
195	200	204

<210> 1179
 <211> 179
 <212>Amino acid
 <213> Homo sapiens

<400> 1179
 Gln Ile Leu Pro Asn Leu Tyr Leu Gly Ser Ala Arg Asp Ser Ala Asn

1	5	10	15												
Leu	Glu	Ser	Leu	Ala	Lys	Leu	Gly	Ile	Arg	Tyr	Ile	Leu	Asn	Val	Thr
20	25	30													
Pro	Asn	Leu	Pro	Asn	Phe	Phe	Glu	Lys	Asn	Gly	Asp	Phe	His	Tyr	Lys
35	40	45													
Gln	Ile	Pro	Ile	Ser	Asp	His	Trp	Ser	Gln	Asn	Leu	Ser	Arg	Phe	Phe
50	55	60													
Pro	Glu	Ala	Ile	Glu	Phe	Ile	Asp	Glu	Ala	Leu	Ser	Gln	Asn	Cys	Gly
65	70	75	80												
Val	Leu	Val	His	Cys	Leu	Ala	Gly	Val	Ser	Arg	Ser	Val	Thr	Val	Thr
85	90	95													
Val	Ala	Tyr	Leu	Met	Gln	Lys	Leu	His	Leu	Ser	Leu	Asn	Asp	Ala	Tyr
100	105	110													
Asp	Leu	Val	Lys	Arg	Lys	Lys	Ser	Asn	Ile	Ser	Pro	Asn	Phe	Asn	Phe
115	120	125													
Met	Gly	Gln	Leu	Leu	Asp	Phe	Glu	Arg	Ser	Leu	Arg	Leu	Glu	Glu	Arg
130	135	140													
His	Ser	Gln	Glu	Gln	Gly	Ser	Gly	Gly	Gln	Ala	Ser	Ala	Ala	Ser	Asn
145	150	155	160												
Pro	Pro	Ser	Phe	Phe	Thr	Thr	Pro	Thr	Ser	Asp	Gly	Ala	Phe	Glu	Leu
165	170	175													
Ala	Pro	Thr													
		179													

<210> 1180
 <211> 159
 <212>Amino acid
 <213> Homo sapiens

<400>	1180														
Arg	Lys	Ser	Leu	His	Glu	Asn	Lys	Leu	Lys	Arg	Leu	Gln	Glu	Lys	Val
1	5	10	15												
Glu	Val	Leu	Glu	Ala	Lys	Lys	Glu	Glu	Leu	Glu	Thr	Glu	Asn	Gln	Val
20	25	30													
Leu	Asn	Arg	Gln	Asn	Val	Pro	Phe	Glu	Asp	Tyr	Thr	Arg	Leu	Gln	Lys
35	40	45													
Arg	Leu	Lys	Asp	Ile	Gln	Arg	Arg	His	Asn	Glu	Phe	Arg	Ser	Leu	Ile
50	55	60													
Leu	Val	Pro	Asn	Met	Pro	Pro	Thr	Ala	Ser	Ile	Asn	Pro	Val	Ser	Phe
65	70	75	80												
Gln	Ser	Ser	Ala	Met	Gly	Ser	Lys	His	Gly	Thr	Thr	Ile	Ser	Ser	Ser
85	90	95													
Tyr	Ala	Gly	Gly	Thr	Thr	Ser	Lys	Gly	Thr	Leu	Ser	Thr	Ser	Gln	Lys
100	105	110													
Thr	Arg	Arg	Thr	Gly	Asn	Asn	Thr	Lys	Lys	Thr	Thr	Arg	Gly	Thr	Trp
115	120	125													
Ile	Phe	Arg	Arg	Met	Met	Phe	Leu	Glu	Asn	Arg	Gln	Ile	Lys	Arg	Gly
130	135	140													
Glu	Val	Gly	Asp	Ser	Val	Lys	Leu	Asp	Ile	Leu	Thr	Cys	Gly	Ile	
145	150	155	159												

<210> 1181
 <211> 328
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(328)
 <223> X = any amino acid or stop code

<400> 1181

Gly	Arg	Pro	Gly	Ala	Gly	Ala	Ser	Glu	Leu	Phe	Pro	Ser	Val	Thr	Thr
1				5				10					15		
Asp	Leu	Ser	Val	Ser	Lys	Gln	Asn	Ala	Cys	Leu	Thr	Cys	Val	Asp	Phe
				20				25					30		
Val	Thr	Val	His	Val	Cys	Met	Gly	Phe	Trp	Gly	Ile	Gly	Pro	Gly	Ala
				35				40					45		
Leu	Ser	Thr	Ser	Cys	Ile	Pro	Tyr	Pro	Leu	Ser	His	Gly	Pro	Gly	Ser
				50				55					60		
Val	Lys	Ala	Glu	Met	Leu	His	Met	Tyr	Ser	Gln	Lys	Asp	Pro	Leu	Ile
	65			70				75					80		
Leu	Cys	Val	Arg	Leu	Ala	Val	Leu	Leu	Ala	Val	Thr	Leu	Thr	Val	Pro
	85							90					95		
Val	Val	Leu	Phe	Pro	Ile	Arg	Arg	Ala	Leu	Gln	Gln	Leu	Leu	Phe	Pro
				100				105					110		
Gly	Lys	Ala	Phe	Ser	Trp	Pro	Arg	His	Val	Ala	Ile	Ala	Leu	Ile	Leu
	115							120					125		
Leu	Val	Leu	Val	Asn	Val	Leu	Val	Ile	Cys	Val	Pro	Thr	Ile	Arg	Asp
	130							135					140		
Ile	Phe	Gly	Val	Ile	Gly	Ser	Thr	Ser	Ala	Pro	Ser	Leu	Ile	Phe	Ile
145					150								160		
Leu	Pro	Ser	Ile	Phe	Tyr	Leu	Arg	Ile	Val	Pro	Ser	Glu	Val	Glu	Pro
								165					175		
Phe	Leu	Ser	Trp	Pro	Lys	Ile	Gln	Ala	Leu	Cys	Phe	Gly	Val	Leu	Gly
					180					185			190		
Val	Leu	Phe	Met	Ala	Val	Ser	Leu	Gly	Phe	Met	Phe	Ala	Asn	Trp	Ala
	195							200					205		
Thr	Gly	Gln	Ser	Arg	Met	Ser	Gly	His	Xaa	Ser	Gly	Pro	Ala	Gly	Pro
	210							215					220		
Gly	Pro	Cys	Ala	His	Ala	His	Gly	Gly	Val	Arg	Ala	Ala	Pro	Xaa	Gly
225								230					235		240
Pro	Ser	Cys	Pro	Thr	Cys	Gly	Gly	Gly	Trp	Phe	Pro	Xaa	Thr	Trp	Leu
								245					250		255
Ser	Glu	Ala	Gly	Asp	Ser	Arg	Gly	Cys	Arg	Leu	Ala	His	Phe	Pro	Pro
								260					265		270
Pro	Gln	Gly	Cys	Gln	Ala	Trp	Ile	Met	Ala	Leu	Ile	Pro	Thr	Pro	Thr
								275					280		285
Pro	Trp	Glu													
	290							295					300		
Glu	Glu	Glu	Glu	Glu	Glu	Ala	Arg	Ser	Trp	Trp	Ser	Leu	Cys	Pro	Ala
305								310					315		320
Gln	Ser	Ser	Leu	Pro	Pro	Pro	Gly								
				325			328								

<210> 1182
 <211> 144
 <212>Amino acid
 <213> Homo sapiens

<400> 1182
 Ile Asn Glu Leu Arg Tyr His Leu Glu Glu Ser Arg Asp Lys Asn Val
 1 5 10 15

Leu Leu Cys Leu Glu Glu Arg Asp Trp Asp Pro Gly Leu Ala Ile Ile
 20 25 30
 Asp Asn Leu Met Gln Ser Ile Asn Gln Ser Lys Lys Thr Val Phe Val
 35 40 45
 Leu Thr Lys Lys Tyr Ala Lys Ser Trp Asn Phe Lys Thr Ala Phe Tyr
 50 55 60
 Leu Ala Leu Gln Arg Leu Met Asp Glu Asn Met Asp Val Ile Ile Phe
 65 70 75 80
 Ile Leu Leu Glu Pro Val Leu Gln His Ser Gln Tyr Leu Arg Leu Arg
 85 90 95
 Gln Arg Ile Cys Lys Ser Ser Ile Leu Gln Trp Pro Asp Asn Pro Lys
 100 105 110
 Ala Glu Gly Leu Phe Trp Gln Thr Leu Arg Asn Val Val Leu Thr Glu
 115 120 125
 Asn Asp Ser Arg Tyr Asn Asn Met Tyr Val Asp Ser Ile Lys Gln Tyr
 130 135 140 144

<210> 1183
 <211> 484
 <212>Amino acid
 <213> Homo sapiens

<400> 1183
 Asp Asp Pro Ile Lys Thr Ser Trp Thr Pro Pro Arg Tyr Val Leu Ser
 1 5 10 15
 Met Ser Glu Glu Arg His Glu Arg Val Arg Lys Lys Tyr His Ile Leu
 20 25 30
 Val Glu Gly Asp Gly Ile Pro Pro Pro Ile Lys Ser Phe Lys Glu Met
 35 40 45
 Lys Phe Pro Ala Ala Ile Leu Arg Gly Leu Lys Lys Lys Gly Ile His
 50 55 60
 His Pro Thr Pro Ile Gln Ile Gln Gly Ile Pro Thr Ile Leu Ser Gly
 65 70 75 80
 Arg Asp Met Ile Gly Ile Ala Phe Thr Gly Ser Gly Lys Thr Leu Val
 85 90 95
 Phe Thr Leu Pro Val Ile Met Phe Cys Leu Glu Gln Glu Lys Arg Leu
 100 105 110
 Pro Phe Ser Lys Arg Glu Gly Pro Tyr Gly Leu Ile Ile Cys Pro Ser
 115 120 125
 Arg Glu Leu Ala Arg Gln Thr His Gly Ile Leu Glu Tyr Tyr Cys Arg
 130 135 140
 Leu Leu Gln Glu Asp Ser Ser Pro Leu Leu Arg Cys Ala Leu Cys Ile
 145 150 155 160
 Gly Gly Met Ser Val Lys Glu Gln Met Glu Thr Ile Arg His Gly Val
 165 170 175
 His Met Met Val Ala Thr Pro Gly Arg Leu Met Asp Leu Leu Gln Lys
 180 185 190
 Lys Met Val Ser Leu Asp Ile Cys Arg Tyr Leu Ala Leu Asp Glu Ala
 195 200 205
 Asp Arg Met Ile Asp Met Gly Phe Glu Gly Asp Ile Arg Thr Ile Phe
 210 215 220
 Ser Tyr Phe Lys Gly Gln Arg Gln Thr Leu Leu Phe Ser Ala Thr Met
 225 230 235 240
 Pro Lys Lys Ile Gln Asn Phe Ala Lys Ser Ala Leu Val Lys Pro Val
 245 250 255
 Thr Ile Asn Val Gly Arg Ala Gly Ala Ala Ser Leu Asp Val Ile Gln
 260 265 270

Glu Val Glu Tyr Val Lys Glu Glu Ala Lys Met Val Tyr Leu Leu Glu
 275 280 285
 Cys Leu Gln Lys Thr Pro Pro Pro Val Leu Ile Phe Ala Glu Lys Lys
 290 295 300
 Ala Asp Val Asp Ala Ile His Glu Tyr Leu Leu Leu Lys Gly Val Glu
 305 310 315 320
 Ala Val Ala Ile His Gly Gly Lys Asp Gln Glu Glu Arg Thr Lys Ala
 325 330 335
 Ile Glu Ala Phe Arg Glu Gly Lys Lys Asp Val Leu Val Ala Thr Asp
 340 345 350
 Val Ala Ser Lys Gly Leu Asp Phe Pro Ala Ile Gln His Val Ile Asn
 355 360 365
 Tyr Asp Met Pro Glu Glu Ile Glu Asn Tyr Val His Arg Ile Gly Arg
 370 375 380
 Thr Gly Arg Ser Gly Asn Thr Gly Ile Ala Thr Thr Phe Ile Asn Lys
 385 390 395 400
 Ala Cys Asp Glu Ser Val Leu Met Asp Leu Lys Ala Leu Leu Leu Glu
 405 410 415
 Ala Lys Gln Lys Val Pro Pro Val Leu Gln Val Leu His Cys Gly Asp
 420 425 430
 Glu Ser Met Leu Asp Ile Gly Gly Glu Arg Gly Cys Ala Phe Cys Gly
 435 440 445
 Gly Leu Gly His Arg Ile Thr Asp Cys Pro Lys Leu Glu Ala Met Gln
 450 455 460
 Thr Lys Gln Val Ser Asn Ile Gly Arg Lys Asp Tyr Leu Ala His Ser
 465 470 475 480
 Ser Met Asp Phe
 484

<210> 1184
 <211> 125
 <212>Amino acid
 <213> Homo sapiens

<400> 1184
 Ile Glu Thr Thr Gln Pro Ser Glu Asp Thr Asn Ala Asn Ser Gln Asp
 1 5 10 15
 Asn Ser Met Gln Pro Glu Thr Ser Ser Gln Gln Gln Leu Leu Ser Pro
 20 25 30
 Thr Leu Ser Asp Arg Gly Gly Ser Arg Gln Asp Ala Ala Asp Ala Gly
 35 40 45
 Lys Pro Gln Arg Lys Phe Gly Gln Trp Arg Leu Pro Ser Ala Pro Lys
 50 55 60
 Pro Ile Ser His Ser Val Ser Val Asn Leu Arg Phe Gly Gly Arg
 65 70 75 80
 Thr Thr Met Lys Ser Val Val Cys Lys Met Asn Pro Met Thr Asp Ala
 85 90 95
 Ala Ser Cys Gly Ser Glu Val Lys Lys Trp Trp Thr Arg Gln Leu Thr
 100 105 110
 Val Glu Ser Asp Glu Ser Gly Asp Asp Leu Leu Asp Ile
 115 120 125

<210> 1185
 <211> 73
 <212>Amino acid
 <213> Homo sapiens

<400> 1185

Asn	Asp	Arg	Phe	Ser	Ala	Cys	Tyr	Phe	Thr	Leu	Lys	Leu	Lys	Glu	Ala
1					5				10					15	
Ala	Val	Arg	Gln	Arg	Glu	Ala	Leu	Lys	Lys	Leu	Thr	Lys	Asn	Ile	Ala
					20				25					30	
Thr	Asp	Ser	Tyr	Ile	Ser	Val	Asn	Leu	Arg	Asp	Val	Tyr	Ala	Arg	Ser
					35				40					45	
Ile	Met	Glu	Met	Leu	Arg	Leu	Lys	Gly	Arg	Glu	Arg	Ala	Ser	Thr	Arg
					50				55					60	
Ser	Ser	Gly	Gly	Asp	Asp	Phe	Trp	Phe							
					65				70					73	

<210> 1186

<211> 343

<212>Amino acid

<213> Homo sapiens

<400> 1186

Phe	Thr	Val	Phe	Ile	Leu	Gly	Ile	Thr	Ile	Arg	Pro	Leu	Val	Glu	Phe
1					5				10					15	
Leu	Asp	Val	Lys	Arg	Ser	Asn	Lys	Lys	Gln	Gln	Ala	Val	Ser	Glu	Glu
					20				25					30	
Ile	Tyr	Cys	Arg	Leu	Phe	Asp	His	Val	Lys	Thr	Gly	Ile	Glu	Asp	Val
					35				40					45	
Cys	Gly	His	Trp	Gly	His	Asn	Phe	Trp	Arg	Asp	Lys	Phe	Lys	Lys	Phe
					50				55					60	
Asp	Asp	Lys	Tyr	Leu	Arg	Lys	Leu	Leu	Ile	Arg	Glu	Asn	Gln	Pro	Lys
					65				70					75	
Ser	Ser	Ile	Val	Ser	Leu	Tyr	Lys	Lys	Leu	Glu	Ile	Lys	His	Ala	Ile
					85				90					95	
Glu	Met	Ala	Glu	Thr	Gly	Met	Ile	Ser	Thr	Val	Pro	Thr	Phe	Ala	Ser
					100				105					110	
Leu	Asn	Asp	Cys	Arg	Glu	Glu	Lys	Ile	Arg	Lys	Val	Thr	Ser	Ser	Glu
					115				120					125	
Thr	Asp	Glu	Ile	Arg	Glu	Leu	Leu	Ser	Arg	Asn	Leu	Tyr	Gln	Ile	Arg
					130				135					140	
Gln	Arg	Thr	Leu	Ser	Tyr	Asn	Arg	His	Ser	Leu	Thr	Ala	Asp	Thr	Ser
					145				150					155	
Glu	Arg	Gln	Ala	Lys	Glu	Ile	Leu	Ile	Arg	Arg	Arg	His	Ser	Leu	Arg
					165				170					175	
Glu	Ser	Ile	Arg	Lys	Asp	Ser	Ser	Leu	Asn	Arg	Glu	His	Arg	Ala	Ser
					180				185					190	
Thr	Ser	Thr	Ser	Arg	Tyr	Leu	Ser	Leu	Pro	Lys	Asn	Thr	Lys	Leu	Pro
					195				200					205	
Glu	Lys	Leu	Gln	Lys	Arg	Arg	Thr	Ile	Ser	Ile	Ala	Asp	Gly	Asn	Ser
					210				215					220	
Ser	Asp	Ser	Asp	Ala	Asp	Ala	Gly	Thr	Thr	Val	Leu	Asn	Leu	Gln	Pro
					225				230					235	
Arg	Ala	Arg	Arg	Phe	Leu	Pro	Glu	Gln	Phe	Ser	Lys	Lys	Ser	Pro	Gln
					245				250					255	
Ser	Tyr	Lys	Met	Glu	Trp	Lys	Asn	Glu	Val	Asp	Val	Asp	Ser	Gly	Arg
					260				265					270	
Asp	Met	Pro	Ser	Thr	Pro	Pro	Thr	Pro	His	Ser	Arg	Glu	Lys	Gly	Thr
					275				280					285	
Gln	Thr	Ser	Gly	Leu	Leu	Gln	Gln	Pro	Leu	Leu	Ser	Lys	Asp	Gln	Ser
					290				295					300	

Gly Ser Glu Arg Glu Asp Ser Leu Thr Glu Gly Ile Pro Pro Lys Pro
 305 310 315 320
 Pro Pro Arg Leu Val Trp Arg Ala Ser Glu Pro Gly Ser Arg Lys Ala
 325 330 335
 Arg Phe Gly Ser Glu Lys Pro
 340 343

<210> 1187
<211> 146
<212>Amino acid
<213> Homo sapiens

<400> 1187
His Glu Glu Ala Ser Gly Leu Ser Val Trp Met Gly Lys Gln Met Glu
1 5 10 15
Pro Leu His Ala Val Pro Pro Ala Ala Ile Thr Leu Ile Leu Ser Leu
20 25 30
Leu Val Ala Val Phe Thr Glu Cys Thr Ser Asn Val Ala Thr Thr Thr
35 40 45
Leu Phe Leu Pro Ile Phe Ala Ser Met Ser Arg Ser Ile Gly Leu Asn
50 55 60
Pro Leu Tyr Ile Met Leu Pro Cys Thr Leu Ser Ala Ser Phe Ala Phe
65 70 75 80
Met Leu Pro Val Ala Thr Pro Pro Asn Ala Ile Val Phe Thr Tyr Gly
85 90 95
His Leu Lys Val Ala Asp Met Val Lys Thr Gly Val Ile Met Asn Ile
100 105 110
Ile Gly Val Phe Cys Val Phe Leu Ala Val Asn Thr Trp Gly Arg Ala
115 120 125
Ile Phe Asp Leu Asp His Phe Pro Asp Trp Ala Asn Val Thr His Ile
130 135 140
Glu Thr
145 146

<210> 1188
<211> 40
<212>Amino acid
<213> Homo sapiens

<400> 1188
His Glu Leu Glu Asn Asn Trp Leu Gln His Glu Lys Ala Pro Thr Glu
1 5 10 15
Glu Gly Lys Lys Glu Leu Leu Ala Leu Ser Asn Ala Asn Pro Ser Leu
20 25 30
Leu Glu Arg His Cys Ala Tyr Leu
35 40

<210> 1189
<211> 62
<212>Amino acid
<213> Homo sapiens

<400> 1189
 Gly Asn Ile Ile Tyr Met Tyr Met Gln Pro Gly Ala Arg Ser Ser Gln
 1 5 10 15
 Asp Gln Gly Lys Phe Leu Thr Leu Phe Tyr Asn Ile Val Thr Pro Leu
 20 25 30
 Leu Asn Pro Leu Ile Tyr Thr Leu Arg Asn Arg Glu Val Lys Gly Ala
 35 40 45
 Leu Gly Arg Leu Leu Leu Gly Lys Arg Glu Leu Gly Lys Glu
 50 55 60 62

<210> 1190

<211> 623
<212>Amino acid
<213> Homo sapiens

<400> 1190
 Pro Leu Glu Gln Arg Ser Asn Cys Arg Val Asp Pro Arg Val Arg Thr
 1 5 10 15
 His Thr Met Ala Ser Asp Thr Ser Ser Leu Val Gln Ser His Thr Tyr
 20 25 30
 Lys Lys Arg Glu Pro Ala Asp Val Pro Tyr Gln Thr Gly Gln Leu His
 35 40 45
 Pro Ala Ile Arg Val Ala Asp Leu Leu Gln His Ile Thr Gln Met Lys
 50 55 60
 Cys Ala Glu Gly Tyr Gly Phe Lys Glu Glu Tyr Glu Ser Phe Phe Glu
 65 70 75 80
 Gly Gln Ser Ala Pro Trp Asp Ser Ala Lys Lys Asp Glu Asn Arg Met
 85 90 95
 Lys Asn Arg Tyr Gly Asn Ile Ile Ala Tyr Asp His Ser Arg Val Arg
 100 105 110
 Leu Gln Thr Ile Glu Gly Asp Thr Asn Ser Asp Tyr Ile Asn Gly Asn
 115 120 125
 Tyr Ile Asp Gly Tyr His Arg Pro Asn His Tyr Ile Ala Thr Gln Gly
 130 135 140
 Pro Met Gln Glu Thr Ile Tyr Asp Phe Trp Arg Met Val Trp His Glu
 145 150 155 160
 Asn Thr Ala Ser Ile Ile Met Val Thr Asn Leu Val Glu Val Gly Arg
 165 170 175
 Val Lys Cys Cys Lys Tyr Trp Pro Asp Asp Thr Glu Ile Tyr Lys Asp
 180 185 190
 Ile Lys Val Thr Leu Ile Glu Thr Glu Leu Leu Ala Glu Tyr Val Ile
 195 200 205
 Arg Thr Phe Ala Val Glu Lys Arg Gly Val His Glu Ile Arg Glu Ile
 210 215 220
 Arg Gln Phe His Phe Thr Gly Trp Pro Asp His Gly Val Pro Tyr His
 225 230 235 240
 Ala Thr Gly Leu Leu Gly Phe Val Arg Gln Val Lys Ser Lys Ser Pro
 245 250 255
 Pro Ser Ala Gly Pro Leu Val Val His Cys Ser Ala Gly Ala Gly Arg
 260 265 270
 Thr Gly Cys Phe Ile Val Ile Asp Ile Met Leu Asp Met Ala Glu Arg
 275 280 285
 Glu Gly Val Val Asp Ile Tyr Asn Cys Val Arg Glu Leu Arg Ser Arg
 290 295 300
 Arg Val Asn Met Val Gln Thr Glu Glu Gln Tyr Val Phe Ile His Asp
 305 310 315 320

Ala Ile Leu Glu Ala Cys Leu Cys Gly Asp Thr Ser Val Pro Ala Ser
 325 330 335
 Gln Val Arg Ser Leu Tyr Tyr Asp Met Asn Lys Leu Asp Pro Gln Thr
 340 345 350
 Asn Ser Ser Gln Ile Lys Glu Glu Phe Arg Thr Leu Asn Met Val Thr
 355 360 365
 Pro Thr Leu Arg Val Glu Asp Cys Ser Ile Ala Leu Leu Pro Arg Asn
 370 375 380
 His Glu Lys Asn Arg Cys Met Asp Ile Leu Pro Pro Asp Arg Cys Leu
 385 390 395 400
 Pro Phe Leu Ile Thr Ile Asp Gly Glu Ser Ser Asn Tyr Ile Asn Ala
 405 410 415
 Ala Leu Met Asp Ser Tyr Lys Gln Pro Ser Ala Phe Ile Val Thr Gln
 420 425 430
 His Pro Leu Pro Asn Thr Val Lys Asp Phe Trp Arg Leu Val Leu Asp
 435 440 445
 Tyr His Cys Thr Ser Val Val Met Leu Asn Asp Val Asp Pro Ala Gln
 450 455 460
 Leu Cys Pro Gln Tyr Trp Pro Glu Asn Gly Val His Arg His Gly Pro
 465 470 475 480
 Ile Gln Val Glu Phe Val Ser Ala Asp Leu Glu Glu Asp Ile Ile Ser
 485 490 495
 Arg Ile Phe Arg Ile Tyr Asn Ala Ala Arg Pro Gln Asp Gly Tyr Arg
 500 505 510
 Met Val Gln Gln Phe Gln Phe Leu Gly Trp Pro Met Tyr Arg Asp Thr
 515 520 525
 Pro Val Ser Lys Arg Ser Phe Leu Lys Leu Ile Arg Gln Val Asp Lys
 530 535 540
 Trp Gln Glu Glu Tyr Asn Gly Gly Glu Gly Arg Thr Val Val His Cys
 545 550 555 560
 Leu Asn Gly Gly Arg Ser Gly Thr Phe Cys Ala Ile Ser Ile Val
 565 570 575
 Cys Glu Met Leu Arg His Gln Arg Thr Val Asp Val Phe His Ala Val
 580 585 590
 Lys Thr Leu Arg Asn Asn Lys Pro Asn Met Val Asp Leu Leu Asp Gln
 595 600 605
 Tyr Lys Phe Cys Tyr Glu Val Ala Leu Glu Tyr Leu Asn Ser Gly
 610 615 620 623

<210> 1191
 <211> 86
 <212>Amino acid
 <213> Homo sapiens

<400> 1191
 Pro Leu Thr Tyr Asn Lys Lys Tyr Thr Tyr Pro Trp Trp Gly Asp Ala
 1 5 10 15
 Leu Gly Trp Leu Leu Ala Leu Ser Ser Met Val Cys Ile Pro Ala Trp
 20 25 30
 Ser Leu Tyr Arg Leu Gly Thr Leu Lys Gly Pro Phe Arg Glu Arg Ile
 35 40 45
 Arg Gln Leu Met Cys Pro Ala Glu Asp Leu Pro Gln Arg Asn Pro Ala
 50 55 60
 Gly Pro Ser Ala Pro Ala Thr Pro Arg Thr Ser Leu Leu Arg Leu Thr
 65 70 75 80
 Glu Leu Glu Ser His Cys
 85 86

<210> 1192
<211> 109
<212>Amino acid.
<213> Homo sapiens

<400> 1192

Thr	Leu	Ser	Glu	Ser	Gly	Ala	Leu	Phe	Ser	Leu	Gly	Pro	Pro	Pro	Leu
1				5					10				15		
Ser	Leu	Lys	Ser	Ser	Ser	Ala	Pro	Arg	Pro	Tyr	Ser	Thr	Leu	Arg	Asp
				20					25				30		
Cys	Leu	Glu	His	Phe	Ala	Glu	Leu	Phe	Asp	Leu	Gly	Phe	Pro	Asn	Pro
				35					40				45		
Leu	Ala	Glu	Arg	Ile	Ile	Phe	Glu	Thr	His	Gln	Ile	His	Phe	Ala	Asn
				50					55				60		
Cys	Ser	Leu	Gly	Gln	Pro	Thr	Phe	Ser	Asp	Pro	Pro	Glu	Asp	Val	Leu
				65					70				75		80
Leu	Ala	Met	Ile	Ile	Ala	Pro	Ile	Cys	Leu	Ile	Pro	Phe	Leu	Ile	Thr
				85					90				95		
Leu	Val	Val	Trp	Arg	Ser	Lys	Asp	Ser	Glu	Ala	Gln	Ala			
				100					105				109		

<210> 1193
<211> 257
<212>Amino acid
<213> Homo sapiens

<400> 1193

Cys	Glu	Glu	Arg	Glu	Gln	Glu	Lys	Asp	Asp	Val	Asp	Val	Ala	Leu	Leu
1					5				10				15		
Pro	Thr	Ile	Val	Glu	Lys	Val	Ile	Leu	Pro	Lys	Leu	Thr	Val	Ile	Ala
					20				25				30		
Glu	Asn	Met	Trp	Asp	Pro	Phe	Ser	Thr	Thr	Gln	Thr	Ser	Arg	Met	Val
					35				40				45		
Gly	Ile	Thr	Leu	Lys	Leu	Ile	Asn	Gly	Tyr	Pro	Ser	Val	Val	Asn	Ala
					50				55				60		
Glu	Asn	Lys	Asn	Thr	Gln	Val	Tyr	Leu	Lys	Ala	Leu	Leu	Leu	Arg	Met
					65				70				75		80
Arg	Arg	Thr	Leu	Asp	Asp	Asp	Val	Phe	Met	Pro	Leu	Tyr	Pro	Lys	Asn
					85				90				95		
Val	Leu	Glu	Asn	Asn	Ser	Gly	Pro	Tyr	Leu	Phe	Phe	Gln	Arg	Gln	
					100				105				110		
Phe	Trp	Ser	Ser	Val	Lys	Leu	Leu	Gly	Asn	Phe	Leu	Gln	Trp	Tyr	Gly
					115				120				125		
Ile	Phe	Ser	Asn	Lys	Thr	Leu	Gln	Glu	Leu	Ser	Ile	Asp	Gly	Leu	Leu
					130				135				140		
Asn	Arg	Tyr	Ile	Leu	Met	Ala	Phe	Gln	Asn	Ser	Glu	Tyr	Gly	Asp	Asp
					145				150				155		160
Ser	Ile	Lys	Lys	Ala	Gln	Asn	Val	Ile	Asn	Cys	Phe	Pro	Lys	Gln	Trp
					165				170				175		
Phe	Met	Asn	Leu	Lys	Gly	Glu	Arg	Thr	Ile	Ser	Gln	Leu	Glu	Asn	Phe
					180				185				190		
Cys	Arg	Tyr	Leu	Val	His	Leu	Ala	Asp	Thr	Ile	Tyr	Arg	Asn	Ser	Ile
					195				200				205		
Gly	Cys	Ser	Asp	Val	Glu	Lys	Arg	Asn	Ala	Arg	Glu	Asn	Ile	Lys	Gln
					210				215				220		

Ile Val Lys Leu Leu Ala Ser Val Arg Ala Leu Asp His Ala Met Ser
 225 230 235 240
 Val Ala Ser Asp His Asn Val Lys Glu Phe Lys Ser Leu Ile Glu Gly
 245 250 255
 Lys
 257

<210> 1194
<211> 416
<212>Amino acid
<213> Homo sapiens

<400> 1194
 Thr Pro Phe Cys Phe Leu Cys Ser Leu Val Phe Arg Ser Arg Val Trp
 1 5 10 15
 Ala Glu Pro Cys Leu Ile Asp Ala Ala Lys Glu Glu Tyr Asn Gly Val
 20 25 30
 Ile Glu Glu Phe Leu Ala Thr Gly Glu Lys Leu Phe Gly Pro Tyr Val
 35 40 45
 Trp Gly Arg Tyr Asp Leu Leu Phe Met Pro Pro Ser Phe Pro Phe Gly
 50 55 60
 Gly Met Glu Asn Pro Cys Leu Thr Phe Val Thr Pro Cys Leu Leu Ala
 65 70 75 80
 Gly Asp Arg Ser Leu Ala Asp Val Ile Ile His Glu Ile Ser His Ser
 85 90 95
 Trp Phe Gly Asn Leu Val Thr Asn Ala Asn Trp Gly Glu Phe Trp Leu
 100 105 110
 Asn Glu Gly Phe Thr Met Tyr Ala Gln Arg Arg Ile Ser Thr Ile Leu
 115 120 125
 Phe Gly Ala Ala Tyr Thr Cys Leu Glu Ala Ala Thr Gly Arg Ala Leu
 130 135 140
 Leu Arg Gln His Met Asp Ile Thr Gly Glu Glu Asn Pro Leu Asn Lys
 145 150 155 160
 Leu Arg Val Lys Ile Glu Pro Gly Val Asp Pro Asp Asp Thr Tyr Asn
 165 170 175
 Glu Thr Pro Tyr Glu Lys Gly Phe Cys Phe Val Ser Tyr Leu Ala His
 180 185 190
 Leu Val Gly Asp Gln Asp Gln Phe Asp Ser Phe Leu Lys Ala Tyr Val
 195 200 205
 His Glu Phe Lys Phe Arg Ser Ile Leu Ala Asp Asp Phe Leu Asp Phe
 210 215 220
 Tyr Leu Glu Tyr Phe Pro Glu Leu Lys Lys Arg Val Asp Ile Ile
 225 230 235 240
 Pro Gly Phe Glu Phe Asp Arg Trp Leu Asn Thr Pro Gly Trp Pro Pro
 245 250 255
 Tyr Leu Pro Asp Leu Ser Pro Gly Asp Ser Leu Met Lys Pro Ala Glu
 260 265 270
 Glu Leu Ala Gln Leu Trp Ala Ala Glu Glu Leu Asp Met Lys Ala Ile
 275 280 285
 Glu Ala Val Ala Ile Ser Pro Trp Lys Thr Tyr Gln Leu Val Tyr Phe
 290 295 300
 Leu Asp Lys Ile Leu Gln Lys Ser Pro Leu Pro Pro Gly Asn Val Lys
 305 310 315 320
 Lys Leu Gly Asp Thr Tyr Pro Ser Ile Ser Asn Ala Arg Asn Ala Glu
 325 330 335
 Leu Arg Leu Arg Trp Gly Gln Ile Val Leu Lys Asn Asp His Gln Glu
 340 345 350
 Asp Phe Trp Lys Val Lys Glu Phe Leu His Asn Gln Gly Lys Gln Lys
 355 360 365

Tyr Thr Leu Pro Leu Tyr His Ala Met Met Gly Gly Ser Glu Val Ala
 370 375 380
 Gln Thr Leu Ala Lys Glu Thr Phe Ala Ser Thr Ala Ser Gln Leu His
 385 390 395 400
 Ser Asn Val Val Asn Tyr Val Gln Gln Ile Val Ala Pro Lys Gly Ser
 405 410 415 416

<210> 1195
 <211> 295
 <212>Amino acid
 <213> Homo sapiens

<400> 1195
 Cys Ala Ser Gly Ser Ser Gly Trp Arg Pro Val Leu Trp Ala Gly Ala
 1 5 10 15
 Phe Thr Met Ala Ser Ala Glu Leu Asp Tyr Thr Ile Glu Ile Pro Asp
 20 25 30
 Gln Pro Cys Trp Ser Gln Lys Asn Ser Pro Ser Pro Gly Gly Lys Glu
 35 40 45
 Ala Glu Thr Arg Gln Pro Val Val Ile Leu Leu Gly Trp Gly Gly Cys
 50 55 60
 Lys Asp Lys Asn Leu Ala Lys Tyr Ser Ala Ile Tyr His Lys Arg Gly
 65 70 75 80
 Cys Ile Val Ile Arg Tyr Thr Ala Pro Trp His Met Val Phe Phe Ser
 85 90 95
 Glu Ser Leu Gly Ile Pro Ser Leu Arg Val Leu Ala Gln Lys Leu Leu
 100 105 110
 Glu Leu Leu Phe Asp Tyr Glu Ile Glu Lys Glu Pro Leu Leu Phe His
 115 120 125
 Val Phe Ser Asn Gly Gly Val Met Leu Tyr Arg Tyr Val Leu Glu Leu
 130 135 140
 Leu Gln Thr Arg Arg Phe Cys Arg Leu Arg Val Val Gly Thr Ile Phe
 145 150 155 160
 Asp Ser Ala Pro Gly Asp Ser Asn Leu Val Gly Ala Leu Arg Ala Leu
 165 170 175
 Ala Ala Ile Leu Glu Arg Arg Ala Ala Met Leu Arg Leu Leu Leu
 180 185 190
 Val Ala Phe Ala Leu Val Val Val Leu Phe His Val Leu Leu Ala Pro
 195 200 205
 Ile Thr Ala Leu Phe His Thr His Phe Tyr Asp Arg Leu Gln Asp Ala
 210 215 220
 Gly Ser Arg Trp Pro Glu Leu Tyr Leu Tyr Ser Arg Ala Asp Glu Val
 225 230 235 240
 Val Leu Ala Arg Asp Ile Glu Arg Met Val Glu Ala Arg Leu Ala Arg
 245 250 255
 Arg Val Leu Ala Arg Ser Val Asp Phe Val Ser Ser Ala His Val Ser
 260 265 270
 His Leu Arg Asp Tyr Pro Thr Tyr Tyr Thr Ser Leu Cys Val Asp Phe
 275 280 285
 Met Arg Asn Trp Val Arg Cys
 290 295

<210> 1196
 <211> 97
 <212>Amino acid
 <213> Homo sapiens

<400> 1196
 Pro Arg Val Arg Asp Arg Leu Pro Ser Thr Gly Val Arg Asp Arg Lys
 1 5 10 15
 Gly Asp Lys Pro Trp Lys Glu Ser Gly Gly Ser Val Glu Ala Pro Arg
 20 25 30
 Met Gly Phe Thr His Pro Pro Gly His Leu Ser Gly Cys Gln Ser Ser
 35 40 45
 Leu Ala Ser Gly Glu Thr Gly Thr Gly Ser Ala Asp Pro Pro Gly Gly
 50 55 60
 Pro Arg Pro Gly Leu Thr Arg Arg Ala Pro Val Lys Asp Thr Pro Gly
 65 70 75 80
 Arg Ala Pro Ala Ala Asp Ala Ala Pro Ala Gly Pro Ser Ser Cys Leu
 85 90 95
 Gly
 97

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<210> 1197  
<211> 204  
<212>Amino acid  
<213> Homo sapiens
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<400> 1197
 Gln Gly Arg Thr Ser Cys Ile Gly Leu Tyr Thr Tyr Gln Arg Arg Ile
 1 5 10 15
 Cys Lys Tyr Arg Asp Gln Tyr Asn Trp Phe Phe Leu Ala Arg Pro Thr
 20 25 30
 Thr Phe Ala Ile Ile Glu Asn Leu Lys Tyr Phe Leu Leu Lys Lys Asp
 35 40 45
 Pro Ser Gln Pro Phe Tyr Leu Gly His Thr Ile Lys Ser Gly Asp Leu
 50 55 60
 Glu Tyr Val Gly Met Glu Gly Gly Ile Val Leu Ser Val Glu Ser Met
 65 70 75 80
 Lys Arg Leu Asn Ser Leu Leu Asn Ile Pro Glu Lys Cys Pro Glu Gln
 85 90 95
 Gly Gly Met Ile Trp Lys Ile Ser Glu Asp Lys Gln Leu Ala Val Cys
 100 105 110
 Leu Lys Tyr Ala Gly Val Phe Ala Glu Asn Ala Glu Asp Ala Asp Gly
 115 120 125
 Lys Asp Val Phe Asn Thr Lys Ser Val Gly Leu Ser Ile Lys Glu Ala
 130 135 140
 Met Thr Tyr His Pro Asn Gln Val Val Glu Gly Cys Cys Ser Asp Met
 145 150 155 160
 Ala Val Thr Phe Asn Gly Leu Thr Pro Asn Gln Met His Val Met Met
 165 170 175
 Tyr Gly Val Tyr Arg Leu Arg Ala Phe Gly His Ile Phe Asn Asp Ala
 180 185 190
 Leu Val Phe Leu Pro Pro Asn Gly Ser Asp Asn Asp
 195 200 204

<210> 1198
<211> 238
<212>Amino acid
<213> Homo sapiens

<400> 1198
 His Glu Gly Lys Pro Thr Arg Gly Arg Gly Arg Gly Ser Leu Ser
 1 5 10 15
 Thr Arg Gly Arg Gly Ser Glu Val Pro Asp Ser Ala His Leu Ala Pro
 20 25 30
 Thr Pro Leu Phe Ser Glu Ser Gly Cys Cys Gly Leu Arg Ser Arg Phe
 35 40 45
 Leu Thr Asp Cys Lys Met Glu Glu Gly Gly Asn Leu Gly Gly Leu Ile
 50 55 60
 Lys Met Val His Leu Leu Val Leu Ser Gly Ala Trp Gly Met Gln Met
 65 70 75 80
 Trp Val Thr Phe Val Ser Gly Phe Leu Leu Phe Arg Ser Leu Pro Arg
 85 90 95
 His Thr Phe Gly Leu Val Gln Ser Lys Leu Phe Pro Phe Tyr Phe His
 100 105 110
 Ile Ser Met Gly Cys Ala Phe Ile Asn Leu Cys Ile Leu Ala Ser Gln
 115 120 125
 His Ala Trp Ala Gln Leu Thr Phe Trp Glu Ala Ser Gln Leu Tyr Leu
 130 135 140
 Leu Phe Leu Ser Leu Thr Leu Ala Thr Val Asn Ala Arg Trp Leu Glu
 145 150 155 160
 Pro Arg Thr Thr Ala Ala Met Trp Ala Leu Gln Thr Val Glu Lys Glu
 165 170 175
 Arg Gly Leu Gly Gly Glu Val Pro Gly Ser His Gln Gly Pro Asp Pro
 180 185 190
 Tyr Arg Gln Leu Arg Glu Lys Asp Pro Lys Tyr Ser Ala Leu Arg Gln
 195 200 205
 Asn Phe Phe Arg Tyr His Gly Leu Ser Ser Leu Cys Asn Leu Gly Cys
 210 215 220
 Val Leu Ser Asn Gly Leu Cys Leu Ala Ala Leu Pro Trp Lys
 225 230 235 238

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<210> 1199  
<211> 100  
<212>Amino acid  
<213> Homo sapiens
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<400> 1199
 Lys Gln Leu Asp Lys Gln Leu Arg Ala Asp Pro Ser Gly Ser Leu Pro
 1 5 10 15
 Pro Leu Pro Pro Ser Pro Pro Pro Leu Glu Ala Gly Gly Arg Pro
 20 25 30
 Pro Glu Val Pro Pro Arg Gly Pro Ser Ala Val Pro Ser Phe Pro Ser
 35 40 45
 Val Ser Gly Asp Trp Gly Gly Pro Val Glu Ala Gly Glu Gly Gly Gln
 50 55 60
 Gln Gly Arg Gly Arg Ala Arg Ala Arg Pro Cys Ser Leu Pro Pro Leu
 65 70 75 80
 Leu Pro Pro Ser Pro Val Cys Arg Leu Ser Gly Ser Arg Ala Pro Leu
 85 90 95
 Gly Cys Asp Gly
 100

<210> 1200
<211> 194
<212>Amino acid
<213> Homo sapiens

<400> 1200
Arg Asn Gln Leu Ser Ser Gln Lys Ser Val Pro Trp Val Pro Ile Leu
1 5 10 15
Lys Ser Leu Pro Leu Trp Ala Ile Val Val Ala His Phe Ser Tyr Asn
20 25 30
Trp Thr Phe Tyr Thr Leu Leu Thr Leu Leu Pro Thr Tyr Met Lys Glu
35 40 45
Ile Leu Arg Phe Asn Val Gln Glu Asn Gly Phe Leu Ser Ser Leu Pro
50 55 60
Tyr Leu Gly Ser Trp Leu Cys Met Ile Leu Ser Gly Gln Ala Ala Asp
65 70 75 80
Asn Leu Arg Ala Lys Trp Asn Phe Ser Thr Leu Cys Val Arg Arg Ile
85 90 95
Phe Ser Leu Ile Gly Met Ile Gly Pro Ala Val Phe Leu Val Ala Ala
100 105 110
Gly Phe Ile Gly Cys Asp Tyr Ser Leu Ala Val Ala Phe Leu Thr Ile
115 120 125
Ser Thr Thr Leu Gly Gly Phe Cys Ser Ser Gly Phe Ser Ile Asn His
130 135 140
Leu Asp Ile Ala Pro Ser Tyr Ala Gly Ile Leu Leu Gly Ile Thr Asn
145 150 155 160
Thr Phe Ala Thr Ile Pro Gly Met Val Gly Pro Val Ile Ala Lys Ser
165 170 175
Leu Thr Pro Asp Met Gly Ile Ser Leu His Arg Pro Gly Trp Ser Ala
180 185 190
Val Ala
194

<210> 1201
<211> 119
<212>Amino acid
<213> Homo sapiens

<400> 1201
Gly Pro Ser Gly Thr Thr His Ala Ser Ala His Ser Gly His Pro Gly
1 5 10 15
Ser Pro Arg Gly Ser Leu Ser Arg His Pro Ser Ser Gln Leu Ala Gly
20 25 30
Pro Gly Val Glu Gly Gly Glu Gly Thr Gln Lys Pro Arg Asp Tyr Ile
35 40 45
Ile Leu Ala Ile Leu Ser Cys Phe Cys Pro Met Trp Pro Val Asn Ile
50 55 60
Val Ala Phe Ala Tyr Ala Val Met Ser Arg Asn Ser Leu Gln Gln Gly
65 70 75 80
Asp Val Asp Gly Ala Gln Arg Leu Gly Arg Val Ala Lys Leu Leu Ser
85 90 95
Ile Val Ala Leu Val Gly Gly Val Leu Ile Ile Ile Ala Ser Cys Val
100 105 110
Ile Asn Leu Gly Val Tyr Lys
115 119

<210> 1202
<211> 66
<212>Amino acid
<213> Homo sapiens

<400> 1202
Ser Leu Phe Leu Ser Phe Pro Pro Leu Ser Phe Lys Met Thr Leu Asn
1 5 10 15
Asp Ala Met Arg Asn Lys Ala Arg Leu Ser Ile Thr Gly Ser Thr Gly
20 25 30
Glu Asn Gly Arg Val Met Thr Pro Glu Phe Pro Lys Ala Val His Ala
35 40 45
Val Pro Tyr Val Ser Pro Gly Met Gly Met Asn Val Ser Val Thr Asp
50 55 60
Leu Ser
65 66

<210> 1203
<211> 509
<212>Amino acid
<213> Homo sapiens

<400> 1203
Asp Asp Val Pro Pro Ala Pro Asp Leu Tyr Asp Val Pro Pro Gly
1 5 10 15
Leu Arg Arg Pro Gly Pro Gly Thr Leu Tyr Asp Val Pro Arg Glu Arg
20 25 30
Val Leu Pro Pro Glu Val Ala Asp Gly Gly Val Val Asp Ser Gly Val
35 40 45
Tyr Ala Val Pro Pro Ala Glu Arg Glu Ala Pro Ala Glu Gly Lys
50 55 60
Arg Leu Ser Ala Ser Ser Thr Gly Ser Thr Arg Ser Ser Gln Ser Ala
65 70 75 80
Ser Ser Leu Glu Val Ala Gly Pro Gly Arg Glu Pro Leu Glu Leu Glu
85 90 95
Val Ala Val Glu Ala Leu Ala Arg Leu Gln Gln Gly Val Ser Ala Thr
100 105 110
Val Ala His Leu Leu Asp Leu Ala Gly Ser Ala Gly Ala Thr Gly Ser
115 120 125
Trp Arg Ser Pro Ser Glu Pro Gln Glu Pro Leu Val Gln Asp Leu Gln
130 135 140
Ala Ala Val Ala Ala Val Gln Ser Ala Val His Glu Leu Leu Glu Phe
145 150 155 160
Ala Arg Ser Ala Val Gly Asn Ala Ala His Thr Ser Asp Arg Ala Leu
165 170 175
His Ala Lys Leu Ser Arg Gln Leu Gln Lys Met Glu Asp Val His Gln
180 185 190
Thr Leu Val Ala His Gly Gln Ala Leu Asp Ala Gly Arg Gly Gly Ser
195 200 205
Gly Ala Thr Leu Glu Asp Leu Asp Arg Leu Val Ala Cys Ser Arg Ala
210 215 220
Val Pro Glu Asp Ala Lys Gln Leu Ala Ser Phe Leu His Gly Asn Ala
225 230 235 240

Ser Leu Leu Phe Arg Arg Thr Lys Ala Thr Ala Pro Gly Pro Glu Gly
 245 250 255
 Gly Gly Thr Leu His Pro Asn Pro Thr Asp Lys Thr Ser Ser Ile Gln
 260 265 270
 Ser Arg Pro Leu Pro Ser Pro Pro Lys Phe Thr Ser Gln Asp Ser Pro
 275 280 285
 Asp Gly Gln Tyr Glu Asn Ser Glu Gly Gly Trp Met Glu Asp Tyr Asp
 290 295 300
 Tyr Val His Leu Gln Gly Lys Glu Glu Phe Glu Lys Thr Gln Lys Glu
 305 310 315 320
 Leu Leu Glu Lys Gly Ser Ile Thr Arg Gln Gly Lys Ser Gln Leu Glu
 325 330 335
 Leu Gln Gln Leu Lys Gln Phe Glu Arg Leu Glu Gln Glu Val Ser Arg
 340 345 350
 Pro Ile Asp His Asp Leu Ala Asn Trp Thr Pro Ala Gln Pro Leu Ala
 355 360 365
 Pro Gly Arg Thr Gly Gly Leu Gly Pro Ser Asp Arg Gln Leu Leu Leu
 370 375 380
 Phe Tyr Leu Glu Gln Cys Glu Ala Asn Leu Thr Thr Leu Thr Asn Ala
 385 390 395 400
 Val Asp Ala Phe Phe Thr Ala Val Ala Thr Asn Gln Pro Pro Lys Ile
 405 410 415
 Phe Val Ala His Ser Lys Phe Val Ile Leu Ser Ala His Lys Leu Val
 420 425 430
 Phe Ile Gly Asp Thr Leu Ser Arg Gln Ala Lys Ala Ala Asp Val Arg
 435 440 445
 Ser Gln Val Thr His Tyr Ser Asn Leu Leu Cys Asp Leu Leu Arg Gly
 450 455 460
 Ile Val Ala Thr Thr Lys Ala Ala Ala Leu Gln Tyr Pro Ser Pro Ser
 465 470 475 480
 Ala Ala Gln Asp Met Val Glu Arg Val Lys Glu Leu Gly His Ser Thr
 485 490 495
 Gln Gln Phe Arg Arg Val Leu Gly Gln Leu Ala Ala Ala
 500 505 509

<210> 1204
 <211> 453
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(453)
 <223> X = any amino acid or stop code

<400> 1204
 Glu Met Glu Glu Pro Gln Lys Ser Tyr Val Asn Thr Met Asp Leu Glu
 1 5 10 15
 Arg Asp Glu Pro Leu Lys Ser Thr Gly Pro Gln Ile Ser Val Ser Glu
 20 25 30
 Phe Ser Cys His Cys Cys Tyr Asp Ile Leu Val Asn Pro Thr Thr Leu
 35 40 45
 Asn Cys Gly His Ser Phe Cys Arg His Cys Leu Ala Leu Trp Trp Ala
 50 55 60
 Ser Ser Lys Lys Thr Glu Cys Pro Glu Cys Arg Glu Lys Trp Glu Gly
 65 70 75 80
 Phe Pro Lys Val Ser Ile Leu Leu Arg Asp Ala Ile Glu Lys Leu Phe
 85 90 95
 Pro Asp Ala Ile Arg Leu Arg Phe Glu Asp Ile Gln Gln Asn Asn Asp

100	105	110
Ile Val Gln Ser Leu Ala Ala Phe Gln Lys Tyr Gly Asn Asp Gln Ile		
115	120	125
Pro Leu Ala Pro Asn Thr Gly Arg Ala Asn Gln Gln Met Gly Gly Gly		
130	135	140
Phe Phe Ser Gly Val Leu Thr Ala Leu Thr Gly Val Ala Val Val Leu		
145	150	155
Leu Val Tyr His Trp Ser Ser Arg Glu Ser Glu His Asp Leu Leu Val		
165	170	175
His Lys Ala Val Ala Lys Trp Thr Ala Glu Glu Val Val Leu Trp Leu		
180	185	190
Glu Gln Leu Gly Pro Trp Ala Ser Leu Tyr Arg Glu Arg Phe Leu Ser		
195	200	205
Glu Arg Val Asn Gly Arg Leu Leu Leu Thr Leu Thr Glu Glu Glu Phe		
210	215	220
Ser Lys Thr Pro Tyr Thr Ile Glu Asn Ser Ser His Arg Arg Ala Ile		
225	230	235
Leu Met Glu Leu Glu Arg Val Lys Ala Leu Gly Val Lys Pro Pro Gln		
245	250	255
Asn Leu Trp Glu Tyr Lys Ala Val Asn Pro Gly Arg Ser Leu Phe Leu		
260	265	270
Leu Tyr Ala Leu Lys Ser Ser Pro Arg Leu Ser Leu Leu Tyr Leu Tyr		
275	280	285
Leu Phe Asp Tyr Thr Asp Thr Phe Leu Pro Phe Ile His Thr Ile Cys		
290	295	300
Pro Leu Gln Glu Asp Ser Ser Gly Glu Asp Ile Val Thr Lys Leu Leu		
305	310	315
Asp Leu Lys Glu Pro Thr Trp Lys Gln Trp Arg Glu Phe Leu Val Lys		
325	330	335
Tyr Ser Phe Leu Pro Tyr Gln Leu Ile Ala Glu Phe Ala Trp Asp Trp		
340	345	350
Leu Glu Val His Tyr Trp Thr Ser Arg Phe Leu Ile Ile Asn Ala Met		
355	360	365
Leu Leu Ser Val Leu Glu Leu Phe Ser Phe Trp Arg Ile Trp Ser Arg		
370	375	380
Ser Glu Leu Lys Xaa Val Gly Phe Arg Phe Leu Arg Leu Gly Val Ala		
385	390	395
Ala Leu Gly Ser Val Glu Val Ala Gly Leu Arg Gly Val Val Lys Gly		
405	410	415
Glu Arg Pro Leu Leu Tyr Gly His Gly Ala Gly Ala Arg Phe Pro His		
420	425	430
Ser Val Leu Leu Leu Pro Val Ala Lys Pro Leu Pro Leu Pro Leu Leu		
435	440	445
Pro Arg Gly Leu Cys		
450	453	

<210> 1205
<211> 80
<212>Amino acid
<213> Homo sapiens

<400> 1205
Glu Lys Ala Arg Met Ile Tyr Glu Asp Tyr Ile Ser Ile Leu Ser Pro
1 5 10 15
Lys Glu Val Ser Leu Asp Ser Arg Val Arg Glu Val Ile Asn Arg Asn
20 25 30
Leu Leu Asp Pro Asn Pro His Met Tyr Glu Asp Ala Gln Leu Gln Ile
35 40 45
Tyr Thr Leu Met His Arg Asp Ser Phe Pro Arg Phe Leu Asn Ser Gln

50	55	60	
Ile Tyr Lys Ser Phe Val Glu Ser Thr Ala Gly Ser Ser Ser Glu Ser			
65	70	75	80

<210> 1206
<211> 205
<212>Amino acid
<213> Homo sapiens

<400> 1206

1	5	10	15
Gly Leu Ser Lys Met Glu Gly Lys Gly Asp Val Met Ser Thr Ala Cys			
20	25	30	
Gly Thr Pro Gly Tyr Val Ala Pro Glu Val Leu Ala Gln Lys Pro Tyr			
35	40	45	
Ser Lys Ala Val Asp Cys Trp Ser Ile Gly Val Ile Ala Tyr Ile Leu			
50	55	60	
Leu Cys Gly Tyr Pro Pro Phe Tyr Asp Glu Asn Asp Ser Lys Leu Phe			
65	70	75	80
Glu Gln Ile Leu Lys Ala Glu Tyr Glu Phe Asp Ser Pro Tyr Trp Asp			
85	90	95	
Asp Ile Ser Asp Ser Ala Lys Asp Phe Ile Arg Asn Leu Met Glu Lys			
100	105	110	
Asp Pro Asn Lys Arg Tyr Thr Cys Glu Gln Ala Ala Arg His Pro Trp			
115	120	125	
Ile Ala Gly Asp Thr Ala Leu Asn Lys Asn Ile His Glu Ser Val Ser			
130	135	140	
Ala Gln Ile Arg Lys Asn Phe Ala Lys Ser Lys Trp Arg Gln Ala Phe			
145	150	155	160
Asn Ala Thr Ala Val Val Arg His Met Arg Lys Leu His Leu Gly Ser			
165	170	175	
Ser Leu Asp Ser Ser Asn Ala Ser Val Ser Ser Ser Leu Ser Leu Ala			
180	185	190	
Ser Gln Lys Asp Cys Ala Ser Gly Thr Phe His Ala Leu			
195	200	205	

<210> 1207
<211> 117
<212>Amino acid
<213> Homo sapiens

<400> 1207

1	5	10	15
Arg Thr Arg Gly Gly Ala Val Ser Phe Glu Asp Phe Ile Lys Gly Leu			
Ser Ile Leu Leu Arg Gly Thr Val Gln Glu Lys Leu Asn Trp Ala Phe			
20	25	30	
Asn Leu Tyr Asp Ile Asn Lys Asp Gly Tyr Ile Thr Lys Glu Glu Met			
35	40	45	
Leu Asp Ile Met Lys Ala Ile Tyr Asp Met Met Gly Lys Cys Thr Tyr			
50	55	60	
Pro Val Leu Lys Glu Asp Ala Pro Arg Gln His Val Glu Thr Phe Phe			

65	70	75	80
Gln Lys Met Asp Lys Asn Lys Asp Gly Val Val Thr Ile Asp Glu Phe			
85	90	95	
Ile Glu Ser Cys Gln Lys Asp Glu Asn Ile Met Arg Ser Met Gln Leu			
100	105	110	
Phe Glu Asn Val Ile			
115	117		

<210> 1208
<211> 337
<212>Amino acid
<213> Homo sapiens

<400> 1208			
Pro Arg Ser Pro Glu His His Thr Pro Ala Trp His Glu Gly Arg Ser			
1	5	10	15
Leu Gly Pro Ile Met Ala Ser Met Ala Asp Arg Asn Met Lys Leu Phe			
20	25	30	
Ser Gly Arg Val Val Pro Ala Gln Gly Glu Thr Phe Glu Asn Trp			
35	40	45	
Leu Thr Gln Val Asn Gly Val Leu Pro Asp Trp Asn Met Ser Glu Glu			
50	55	60	
Glu Lys Leu Lys Arg Leu Met Lys Thr Leu Arg Gly Pro Ala Arg Glu			
65	70	75	80
Val Met Arg Val Leu Gln Ala Thr Asn Pro Asn Leu Ser Val Ala Asp			
85	90	95	
Phe Leu Arg Ala Met Lys Leu Val Phe Gly Glu Ser Glu Ser Ser Val			
100	105	110	
Thr Ala His Gly Lys Phe Phe Asn Thr Leu Gln Ala Gln Gly Glu Lys			
115	120	125	
Ala Ser Leu Tyr Val Ile Arg Leu Glu Val Gln Leu Gln Asn Ala Ile			
130	135	140	
Gln Ala Gly Ile Ile Ala Glu Lys Asp Ala Asn Arg Thr Arg Leu Gln			
145	150	155	160
Gln Leu Leu Leu Gly Glu Leu Ser Arg Asp Leu Arg Leu Arg Leu			
165	170	175	
Lys Asp Phe Leu Arg Met Tyr Ala Asn Glu Gln Glu Arg Leu Pro Asn			
180	185	190	
Phe Leu Glu Leu Ile Lys Met Val Arg Glu Glu Glu Asp Trp Asp Asp			
195	200	205	
Ala Phe Ile Lys Arg Lys Arg Pro Lys Arg Ser Glu Ser Met Val Glu			
210	215	220	
Arg Ala Val Ser Pro Val Ala Phe Gln Gly Ser Pro Pro Ile Val Ile			
225	230	235	240
Gly Ser Ala Asp Cys Asn Val Ile Glu Ile Asp Asp Thr Leu Asp Asp			
245	250	255	
Ser Asp Glu Asp Val Ile Leu Val Glu Ser Gln Asp Pro Pro Leu Pro			
260	265	270	
Ser Trp Gly Ala Pro Pro Leu Arg Asp Arg Ala Arg Pro Gln Asp Glu			
275	280	285	
Val Leu Val Ile Asp Ser Pro His Asn Ser Arg Ala Gln Phe Pro Ser			
290	295	300	
Thr Ser Gly Gly Ser Gly Tyr Lys Asn Asn Gly Pro Gly Glu Met Arg			
305	310	315	320
Arg Ala Arg Lys Arg Lys His Thr Ile Arg Cys Ser Tyr Cys Gly Glu			
325	330	335	
Glu			
337			

<210> 1209
<211> 64
<212>Amino acid
<213> Homo sapiens

<400> 1209
Ser Val Ala Cys Thr Val Pro Leu Arg Ser Met Ser Asp Pro Asp Gln
1 5 10 15
Asp Phe Asp Lys Glu Pro Asp Ser Asp Ser Thr Lys His Ser Thr Pro
20 25 30
Ser Asn Ser Ser Asn Pro Ser Gly Pro Pro Ser Pro Asn Ser Pro His
35 40 45
Arg Ser Gln Leu Pro Leu Glu Gly Leu Glu Gln Pro Ala Cys Asp Thr
50 55 60 64

<210> 1210
<211> 316
<212>Amino acid
<213> Homo sapiens

<400> 1210
Tyr Ser Ala Val Glu Phe Ala Glu Arg Gly Ser Gly Gly Ser Ser Gly
1 5 10 15
Asp Glu Leu Arg Glu Asp Asp Glu Pro Val Lys Lys Arg Gly Arg Lys
20 25 30
Gly Arg Gly Arg Gly Pro Pro Ser Ser Asp Ser Glu Pro Glu Ala
35 40 45
Glu Leu Glu Arg Glu Ala Lys Lys Ser Ala Lys Lys Pro Gln Ser Ser
50 55 60
Ser Thr Glu Pro Ala Arg Lys Pro Gly Gln Lys Glu Lys Arg Val Arg
65 70 75 80
Pro Glu Glu Lys Gln Ala Lys Pro Val Lys Val Glu Arg Thr Arg
85 90 95
Lys Arg Ser Glu Gly Phe Ser Met Asp Arg Lys Val Glu Lys Lys Lys
100 105 110
Glu Pro Ser Val Glu Glu Lys Leu Gln Lys Leu His Ser Glu Ile Lys
115 120 125
Phe Ala Leu Lys Val Asp Ser Pro Asp Val Lys Arg Cys Leu Asn Ala
130 135 140
Leu Glu Glu Leu Gly Thr Leu Gln Val Thr Ser Gln Ile Leu Gln Lys
145 150 155 160
Asn Thr Asp Val Val Ala Thr Leu Lys Lys Ile Arg Arg Tyr Lys Ala
165 170 175
Asn Lys Asp Val Met Glu Lys Ala Ala Glu Val Tyr Thr Arg Leu Lys
180 185 190
Ser Arg Val Leu Gly Pro Lys Ile Glu Ala Val Gln Lys Val Asn Lys
195 200 205
Ala Gly Met Glu Lys Glu Lys Ala Glu Glu Lys Leu Ala Gly Glu Glu
210 215 220
Leu Ala Gly Glu Glu Ala Pro Gln Glu Lys Ala Glu Asp Lys Pro Ser
225 230 235 240
Thr Asp Leu Ser Ala Pro Val Asn Gly Glu Ala Thr Ser Gln Lys Gly

245	,	,	250	,	,	255									
Glu	Ser	Ala	Glu	Asp	Lys	Glu	His	Glu	Glu	Gly	Arg	Asp	Ser	Glu	Glu
								260		265				270	
Gly	Pro	Arg	Cys	Gly	Ser	Ser	Glu	Asp	Leu	His	Asp	Ser	Val	Arg	Glu
								275		280				285	
Gly	Pro	Asp	Leu	Asp	Arg	Pro	Gly	Ser	Asp	Arg	Gln	Glu	Arg	Glu	Arg
								290		295				300	
Ala	Arg	Gly	Asp	Ser	Glu	Ala	Leu	Asp	Glu	Glu	Ser				
								305		310				315	316

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<210> 1211  
<211> 767  
<212>Amino acid  
<213> Homo sapiens
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<400> 1211
 Leu Ala Glu Leu Ser Ser Leu Ser Val Leu Arg Leu Ser His Asn Ser
 1 5 10 15
 Ile Ser His Ile Ala Glu Gly Ala Phe Lys Gly Leu Arg Ser Leu Arg
 20 25 30
 Val Leu Asp Leu Asp His Asn Glu Ile Ser Gly Thr Ile Glu Asp Thr
 35 40 45
 Ser Gly Ala Phe Ser Gly Leu Asp Ser Leu Ser Lys Leu Thr Leu Phe
 50 55 60
 Gly Asn Lys Ile Lys Ser Val Ala Lys Arg Ala Phe Ser Gly Leu Glu
 65 70 75 80
 Gly Leu Glu His Leu Asn Leu Gly Gly Asn Ala Ile Arg Ser Val Gln
 85 90 95
 Phe Asp Ala Phe Val Lys Met Lys Asn Leu Lys Glu Leu His Ile Ser
 100 105 110
 Ser Asp Ser Phe Leu Cys Asp Cys Gln Leu Lys Trp Leu Pro Pro Trp
 115 120 125
 Leu Ile Gly Arg Met Leu Gln Ala Phe Val Thr Ala Thr Cys Ala His
 130 135 140
 Pro Glu Ser Leu Lys Gly Gln Ser Ile Phe Ser Val Pro Pro Glu Ser
 145 150 155 160
 Phe Val Cys Asp Asp Phe Leu Lys Pro Gln Ile Ile Thr Gln Pro Glu
 165 170 175
 Thr Thr Met Ala Met Val Gly Lys Asp Ile Arg Phe Thr Cys Ser Ala
 180 185 190
 Ala Ser Ser Ser Ser Pro Met Thr Phe Ala Trp Lys Lys Asp Asn
 195 200 205
 Glu Val Leu Thr Asn Ala Asp Met Glu Asn Phe Val His Val His Ala
 210 215 220
 Gln Asp Gly Glu Val Met Glu Tyr Thr Thr Ile Leu His Leu Arg Gln
 225 230 235 240
 Val Thr Phe Gly His Glu Gly Arg Tyr Gln Cys Val Ile Thr Asn His
 245 250 255
 Phe Gly Ser Thr Tyr Ser His Lys Ala Arg Leu Thr Val Asn Val Leu
 260 265 270
 Pro Ser Phe Thr Lys Thr Pro His Asp Ile Thr Ile Arg Thr Thr Thr
 275 280 285
 Met Ala Arg Leu Glu Cys Ala Ala Thr Gly His Pro Asn Pro Gln Ile
 290 295 300
 Ala Trp Gln Lys Asp Gly Gly Thr Asp Phe Pro Ala Ala Arg Glu Arg
 305 310 315 320
 Arg Met His Val Met Pro Asp Asp Asp Val Phe Phe Ile Thr Asp Val
 325 330 335
 Lys Ile Asp Asp Ala Gly Val Tyr Ser Cys Thr Ala Gln Asn Ser Ala

340	345	350
Gly Ser Ile Ser Ala Asn Ala Thr Leu Thr Val Leu Glu Thr Pro Ser		
355	360	365
Leu Val Val Pro Leu Glu Asp Arg Val Val Ser Val Gly Glu Thr Val		
370	375	380
Ala Leu Gln Cys Lys Ala Thr Gly Asn Pro Pro Pro Arg Ile Thr Trp		
385	390	395
Phe Lys Gly Asp Arg Pro Leu Ser Leu Thr Glu Arg His His Leu Thr		
405	410	415
Pro Asp Asn Gln Leu Leu Val Val Gln Asn Val Val Ala Glu Asp Ala		
420	425	430
Gly Arg Tyr Thr Cys Glu Met Ser Asn Thr Leu Gly Thr Glu Arg Ala		
435	440	445
His Ser Gln Leu Ser Val Leu Pro Ala Ala Gly Cys Arg Lys Asp Gly		
450	455	460
Thr Thr Val Gly Ile Phe Thr Ile Ala Val Val Ser Ser Ile Val Leu		
465	470	475
Thr Ser Leu Val Trp Val Cys Ile Ile Tyr Gln Thr Arg Lys Lys Ser		
485	490	495
Glu Glu Tyr Ser Val Thr Asn Thr Asp Glu Thr Val Val Pro Pro Asp		
500	505	510
Val Pro Ser Tyr Leu Ser Ser Gln Gly Thr Leu Ser Asp Arg Gln Glu		
515	520	525
Thr Val Val Arg Thr Glu Gly Pro Gln Ala Asn Gly His Ile Glu		
530	535	540
Ser Asn Gly Val Cys Pro Arg Asp Ala Ser His Phe Pro Glu Pro Asp		
545	550	555
Thr His Ser Val Ala Cys Arg Gln Pro Lys Leu Cys Ala Gly Ser Ala		
565	570	575
Tyr His Lys Lys Pro Trp Lys Ala Met Glu Lys Ala Glu Gly Thr Pro		
580	585	590
Gly Pro His Lys Met Glu His Gly Gly Arg Val Val Cys Ser Asp Cys		
595	600	605
Asn Thr Glu Val Asp Cys Tyr Ser Arg Gly Gln Ala Phe His Pro Gln		
610	615	620
Pro Val Ser Arg Asp Ser Ala Gln Pro Ser Ala Pro Asn Gly Pro Glu		
625	630	635
Pro Gly Gly Ser Asp Gln Glu His Ser Pro His His Gln Cys Ser Arg		
645	650	655
Thr Ala Ala Gly Ser Cys Pro Glu Cys Gln Gly Ser Leu Tyr Pro Ser		
660	665	670
Asn His Asp Arg Met Leu Thr Ala Val Lys Lys Pro Met Ala Ser		
675	680	685
Leu Asp Gly Lys Gly Asp Ser Ser Trp Thr Leu Ala Arg Leu Tyr His		
690	695	700
Pro Asp Ser Thr Glu Leu Gln Pro Ala Ser Ser Leu Thr Ser Gly Ser		
705	710	715
Pro Glu Arg Ala Glu Ala Gln Tyr Leu Leu Val Ser Asn Gly His Leu		
725	730	735
Pro Lys Ala Cys Asp Ala Ser Pro Glu Ser Thr Pro Leu Thr Gly Gln		
740	745	750
Leu Pro Gly Lys Gln Arg Val Pro Leu Leu Leu Ala Pro Lys Ser		
755	760	765
		767

<210> 1212
 <211> 821
 <212>Amino acid
 <213> Homo sapiens

<400> 1212

Ala Ala Ala Gly Ala Ala Arg Arg Val Ser Val Arg Cys Gly Arg Ser
 1 5 10 15
 Gly Pro Gly Pro Gly Arg Gly Ala Ala Gly Leu Ser Pro Ala Asp Ile
 20 25 30
 Ala Leu Ala Ser Glu Gln Gly Ala Ser Cys Ser Val Arg Ala Pro Glu
 35 40 45
 Arg Lys Leu Arg Met Lys Leu Leu Trp Gln Ala Lys Met Ser Ser Ile
 50 55 60
 Gln Asp Trp Gly Glu Glu Val Glu Gly Ala Val Tyr His Val Thr
 65 70 75 80
 Leu Lys Arg Val Gln Ile Gln Gln Ala Ala Asn Lys Gly Ala Arg Trp
 85 90 95
 Leu Gly Val Glu Gly Asp Gln Leu Pro Pro Gly His Thr Val Ser Gln
 100 105 110
 Tyr Glu Thr Cys Lys Ile Arg Thr Ile Lys Ala Gly Thr Leu Glu Lys
 115 120 125
 Leu Val Glu Asn Leu Leu Thr Ala Phe Gly Asp Asn Asp Phe Thr Tyr
 130 135 140
 Ile Ser Ile Phe Leu Ser Thr Tyr Arg Gly Phe Ala Ser Thr Lys Glu
 145 150 155 160
 Val Leu Glu Leu Leu Leu Asp Arg Tyr Gly Asn Leu Thr Ser Pro Asn
 165 170 175
 Cys Glu Glu Asp Gly Ser Gln Ser Ser Ser Glu Ser Lys Met Val Ile
 180 185 190
 Arg Asn Ala Ile Ala Ser Ile Leu Arg Ala Trp Leu Asp Gln Cys Ala
 195 200 205
 Glu Asp Phe Arg Glu Pro Pro His Phe Pro Cys Leu Gln Lys Leu Leu
 210 215 220
 Asp Tyr Leu Thr Arg Met Met Pro Gly Ser Asp Pro Glu Arg Arg Ala
 225 230 235 240
 Gln Asn Leu Leu Glu Gln Phe Gln Lys Gln Glu Val Glu Thr Asp Asn
 245 250 255
 Gly Leu Pro Asn Thr Ile Ser Phe Ser Leu Glu Glu Glu Glu Leu
 260 265 270
 Glu Gly Glu Ser Ala Glu Phe Thr Cys Phe Ser Glu Asp Leu Val
 275 280 285
 Ala Glu Gln Leu Thr Tyr Met Asp Ala Gln Leu Phe Lys Lys Val Val
 290 295 300
 Pro His His Cys Leu Gly Cys Ile Trp Ser Arg Arg Asp Lys Lys Glu
 305 310 315 320
 Asn Lys His Leu Ala Pro Thr Ile Arg Ala Thr Ile Ser Gln Phe Asn
 325 330 335
 Thr Leu Thr Lys Cys Val Val Ser Thr Ile Leu Gly Gly Lys Glu Leu
 340 345 350
 Lys Thr Gln Gln Arg Ala Lys Ile Ile Glu Lys Trp Ile Asn Ile Ala
 355 360 365
 His Glu Cys Arg Leu Leu Lys Asn Phe Ser Ser Leu Arg Ala Ile Val
 370 375 380
 Ser Ala Leu Gln Ser Asn Ser Ile Tyr Arg Leu Lys Lys Thr Trp Ala
 385 390 395 400
 Ala Val Pro Arg Asp Arg Met Leu Met Phe Glu Glu Leu Ser Asp Ile
 405 410 415
 Phe Ser Asp His Asn Asn His Leu Thr Ser Arg Glu Leu Leu Met Lys
 420 425 430
 Glu Gly Thr Ser Lys Phe Ala Asn Leu Asp Ser Ser Val Lys Glu Asn
 435 440 445
 Gln Lys Arg Thr Gln Arg Arg Leu Gln Leu Gln Lys Asp Met Gly Val
 450 455 460
 Met Gln Gly Thr Val Pro Tyr Leu Gly Thr Phe Leu Thr Asp Leu Thr
 465 470 475 480
 Met Leu Asp Thr Ala Leu Gln Asp Tyr Ile Glu Gly Gly Leu Ile Asn
 485 490 495
 Phe Glu Lys Arg Arg Glu Phe Glu Val Ile Ala Gln Ile Lys Leu

500	505	510
Leu Gln Ser Ala Cys Asn Ser Tyr Cys Met Thr Pro Asp Gln Lys Phe		
515	520	525
Ile Gln Trp Phe Gln Arg Gln Gln Leu Leu Thr Glu Glu Glu Ser Tyr		
530	535	540
Ala Leu Ser Cys Glu Ile Glu Ala Ala Ala Asp Ala Ser Thr Thr Ser		
545	550	555
Pro Lys Pro Trp Lys Ser Met Val Lys Arg Leu Asn Leu Leu Phe Leu		
565	570	575
Gly Ala Asp Met Ile Thr Ser Pro Thr Pro Thr Lys Glu Gln Pro Lys		
580	585	590
Ser Thr Ala Ser Gly Ser Ser Gly Glu Ser Met Asp Ser Val Ser Val		
595	600	605
Ser Ser Cys Glu Ser Asn His Ser Glu Ala Glu Glu Gly Tyr Ile Thr		
610	615	620
Pro Met Asp Thr Pro Asp Glu Pro Gln Lys Lys Leu Ser Glu Ser Ser		
625	630	635
Ser Tyr Cys Ser Ser Ile His Ser Met Asp Thr Asn Phe Leu Gln Gly		
645	650	655
Met Ser Ser Leu Ile Asn Pro Leu Ser Ser Pro Pro Ser Cys Asn Asn		
660	665	670
Asn Pro Lys Ile His Lys Arg Ser Val Ser Val Thr Ser Ile Thr Ser		
675	680	685
Thr Val Leu Pro Pro Val Tyr Asn Gln Gln Asn Glu Asp Thr Cys Ile		
690	695	700
Ile Arg Ile Ser Val Glu Asp Asn Asn Gly Asn Met Tyr Lys Ser Ile		
705	710	715
Met Leu Thr Ser Gln Asp Lys Thr Pro Ala Val Ile Gln Arg Ala Met		
725	730	735
Leu Lys His Asn Leu Asp Ser Asp Pro Ala Glu Glu Tyr Glu Leu Val		
740	745	750
Gln Val Ile Ser Glu Asp Lys Glu Leu Val Ile Pro Asp Ser Ala Asn		
755	760	765
Val Phe Tyr Ala Met Asn Ser Gln Val Asn Phe Asp Phe Ile Leu Arg		
770	775	780
Lys Lys Asn Ser Met Glu Glu Gln Val Lys Leu Arg Ser Arg Thr Ser		
785	790	795
Leu Thr Leu Pro Arg Thr Ala Lys Arg Gly Cys Trp Ser Asn Arg His		
805	810	815
Ser Lys Ile Thr Leu		
820	821	

<210> 1213
 <211> 289
 <212>Amino acid
 <213> Homo sapiens

<400> 1213			
Ala Arg Glu Lys Met Asp Ser Cys Ile Glu Ala Phe Gly Thr Thr Lys			
1	5	10	15
Gln Lys Arg Ala Leu Asn Thr Arg Arg Met Asn Arg Val Gly Asn Glu			
20	25	30	
Ser Leu Asn Arg Ala Val Ala Lys Ala Ala Glu Thr Ile Ile Asp Thr			
35	40	45	
Lys Gly Val Thr Ala Leu Val Ser Asp Ala Ile His Asn Asp Leu Gln			
50	55	60	
Asp Asp Ser Leu Tyr Leu Pro Pro Cys Tyr Asp Asp Ala Ala Lys Pro			
65	70	75	80
Glu Asp Val Tyr Lys Phe Glu Asp Leu Leu Ser Pro Ala Glu Tyr Glu			

85	90	95
Ala Leu Gln Ser Pro Ser Glu Ala Phe Arg Asn Val Thr Ser Glu Glu		
100	105	110
Ile Leu Lys Met Ile Glu Glu Asn Ser His Cys Thr Phe Val Ile Glu		
115	120	125
Ala Leu Lys Ser Leu Pro Ser Asp Val Glu Ser Arg Asp Arg Gln Ala		
130	135	140
Arg Cys Ile Trp Phe Leu Asp Thr Leu Ile Lys Phe Arg Ala His Arg		
145	150	155
Val Val Lys Arg Lys Ser Ala Leu Gly Pro Gly Val Pro His Ile Ile		
165	170	175
Asn Thr Lys Leu Leu Lys His Phe Thr Cys Leu Thr Tyr Asn Asn Gly		
180	185	190
Arg Leu Arg Asn Leu Ile Ser Asp Ser Met Lys Ala Lys Ile Thr Ala		
195	200	205
Tyr Val Ile Ile Leu Ala Leu His Ile His Asp Phe Gln Ile Asp Leu		
210	215	220
Thr Val Leu Gln Arg Asp Leu Lys Leu Ser Glu Lys Arg Met Met Glu		
225	230	235
Ile Ala Lys Ala Met Arg Leu Lys Ile Ser Lys Arg Arg Val Ser Val		
245	250	255
Ala Ala Gly Ser Glu Glu Asp His Lys Leu Gly Thr Leu Ser Leu Pro		
260	265	270
Leu Pro Pro Ala Gln Thr Ser Asp Arg Leu Ala Lys Arg Arg Lys Ile		
275	280	285
Thr		
289		

<210> 1214
 <211> 873
 <212>Amino acid
 <213> Homo sapiens

<400> 1214		
Leu Ser Leu Phe Gly Ser Arg Ala Leu Gly Arg Ser Gly Ala Arg Ala		
1	5	10
Met Ala Lys Ala Lys Lys Val Gly Ala Arg Arg Lys Ala Ser Gly Ala		
20	25	30
Pro Ala Gly Ala Arg Gly Gly Pro Ala Lys Ala Asn Ser Asn Pro Phe		
35	40	45
Glu Val Lys Val Asn Arg Gln Lys Phe Gln Ile Leu Gly Arg Lys Thr		
50	55	60
Arg His Asp Val Gly Leu Pro Gly Val Ser Arg Ala Arg Ala Leu Arg		
65	70	75
Lys Arg Thr Gln Thr Leu Leu Lys Glu Tyr Lys Glu Arg Asp Lys Ser		
85	90	95
Asn Val Phe Arg Asp Lys Arg Phe Gly Glu Tyr Asn Ser Asn Met Ser		
100	105	110
Pro Glu Glu Lys Met Met Lys Arg Phe Ala Leu Glu Gln Gln Arg His		
115	120	125
His Glu Lys Lys Ser Ile Tyr Asn Leu Asn Glu Asp Glu Glu Leu Thr		
130	135	140
His Tyr Gly Gln Ser Leu Ala Asp Ile Glu Lys His Asn Asp Ile Val		
145	150	155
Asp Ser Asp Ser Asp Ala Glu Asp Arg Gly Thr Leu Ser Gly Glu Leu		
165	170	175
Thr Ala Ala His Phe Gly Gly Gly Leu Leu His Lys Lys Thr		
180	185	190
Gln Gln Glu Gly Glu Glu Arg Glu Lys Pro Lys Ser Arg Lys Glu Leu		

195	200	205
Ile Glu Glu Leu Ile Ala Lys Ser Lys Gln Glu Lys Arg Glu Arg Gln		
210	215	220
Ala Gln Arg Glu Asp Ala Leu Glu Leu Thr Glu Lys Leu Asp Gln Asp		
225	230	235
Trp Lys Glu Ile Gln Thr Leu Leu Ser His Lys Thr Pro Lys Ser Glu		
245	250	255
Asn Arg Asp Lys Lys Glu Lys Pro Lys Pro Asp Ala Tyr Asp Met Met		
260	265	270
Val Arg Glu Leu Gly Phe Glu Met Lys Ala Gln Pro Ser Asn Arg Met		
275	280	285
Lys Thr Glu Ala Glu Leu Ala Lys Glu Glu Gln Glu His Leu Arg Lys		
290	295	300
Leu Glu Ala Glu Arg Leu Arg Arg Met Leu Gly Lys Asp Glu Asp Glu		
305	310	315
Asn Val Lys Lys Pro Lys His Met Ser Ala Asp Asp Leu Asn Asp Gly		
325	330	335
Phe Val Leu Asp Lys Asp Asp Arg Arg Leu Leu Ser Tyr Lys Asp Gly		
340	345	350
Lys Met Asn Val Glu Glu Asp Val Gln Glu Glu Gln Ser Lys Glu Ala		
355	360	365
Ser Asp Pro Glu Ser Asn Glu Glu Glu Gly Asp Ser Ser Gly Gly Glu		
370	375	380
Asp Thr Glu Glu Ser Asp Ser Pro Asp Ser His Leu Asp Leu Glu Ser		
385	390	395
Asn Val Glu Ser Glu Glu Asn Glu Lys Pro Ala Lys Glu Gln Arg		
405	410	415
Gln Thr Pro Gly Lys Gly Leu Ile Ser Gly Lys Glu Arg Ala Gly Lys		
420	425	430
Ala Thr Arg Asp Glu Leu Pro Tyr Thr Phe Ala Ala Pro Glu Ser Tyr		
435	440	445
Glu Glu Leu Arg Ser Leu Leu Gly Arg Ser Met Glu Glu Gln Leu		
450	455	460
Leu Val Val Glu Arg Ile Gln Lys Cys Asn His Pro Ser Leu Ala Glu		
465	470	475
Gly Asn Lys Ala Lys Leu Glu Lys Leu Phe Gly Phe Leu Leu Glu Tyr		
485	490	495
Val Gly Asp Leu Ala Thr Asp Asp Pro Pro Asp Leu Thr Val Ile Asp		
500	505	510
Lys Leu Val Val His Leu Tyr His Leu Cys Gln Met Phe Pro Glu Ser		
515	520	525
Ala Ser Asp Ala Ile Lys Phe Val Leu Arg Asp Ala Met His Glu Met		
530	535	540
Glu Glu Met Ile Glu Thr Lys Gly Arg Ala Ala Leu Pro Gly Leu Asp		
545	550	555
Val Leu Ile Tyr Leu Lys Ile Thr Gly Leu Leu Phe Pro Thr Ser Asp		
565	570	575
Phe Trp His Pro Val Val Thr Pro Ala Leu Val Cys Leu Ser Gln Leu		
580	585	590
Leu Thr Lys Cys Pro Ile Leu Ser Leu Gln Asp Val Val Lys Gly Leu		
595	600	605
Phe Val Cys Cys Leu Phe Leu Glu Tyr Val Ala Leu Ser Gln Arg Phe		
610	615	620
Ile Pro Glu Leu Ile Asn Phe Leu Leu Gly Ile Leu Tyr Ile Ala Thr		
625	630	635
Pro Asn Lys Ala Ser Gln Gly Ser Thr Leu Val His Pro Phe Arg Ala		
645	650	655
Leu Gly Lys Asn Ser Glu Leu Leu Val Val Ser Ala Arg Glu Asp Val		
660	665	670
Ala Thr Trp Gln Gln Ser Ser Leu Ser Leu Arg Trp Ala Ser Arg Leu		
675	680	685
Arg Ala Pro Thr Ser Thr Glu Ala Asn His Ile Arg Leu Ser Cys Leu		
690	695	700
Ala Val Gly Leu Ala Leu Leu Lys Arg Cys Val Leu Met Tyr Gly Ser		

705	710	715	720
Leu Pro Ser Phe His Ala Ile Met Gly Pro	Leu Arg Ala Leu Leu	Thr	
725	730	735	
Asp His Leu Ala Asp Cys Ser His Pro	Gln Glu Leu Gln Glu	Leu Cys	
740	745	750	
Gln Ser Thr Leu Thr Glu Met Glu Ser Gln Lys	Gln Leu Cys Arg	Pro	
755	760	765	
Leu Thr Cys Glu Lys Ser Lys Pro Val Pro	Leu Lys Leu Phe Thr	Pro	
770	775	780	
Arg Leu Val Lys Val Leu Glu Phe Gly Arg	Lys Gln Gly Ser	Ser Lys	
785	790	795	800
Glu Glu Gln Glu Arg Lys Arg Leu Ile His	Lys His Lys Arg	Glu Phe	
805	810	815	
Lys Gly Ala Val Arg Glu Ile Arg Lys Asp Asn	Gln Phe Leu Ala Arg		
820	825	830	
Met Gln Leu Ser Glu Ile Met Glu Arg Asp	Ala Glu Arg Lys Arg	Lys	
835	840	845	
Val Lys Gln Leu Phe Asn Ser Leu Ala Thr	Gln Glu Gly Glu Trp	Lys	
850	855	860	
Ala Leu Lys Arg Lys Phe Lys Lys			
865	870	873	

<210> 1215
 <211> 319
 <212>Amino acid
 <213> Homo sapiens

<400> 1215			
Leu Thr Lys Gln Glu Asp Cys Cys Gly Ser Ile Gly Thr Ala Trp Gly			
1	5	10	15
Gln Ser Lys Cys His Lys Cys Pro Gln Leu Gln Tyr Thr Gly Val Gln			
20	25	30	
Lys Pro Gly Pro Val Arg Gly Glu Val Gly Ala Asp Cys Pro Gln Gly			
35	40	45	
Tyr Lys Arg Leu Asn Ser Thr His Cys Gln Asp Ile Asn Glu Cys Ala			
50	55	60	
Met Pro Gly Val Cys Arg His Gly Asp Cys Leu Asn Asn Pro Gly Ser			
65	70	75	80
Tyr Arg Cys Val Cys Pro Pro Gly His Ser Leu Gly Pro Ser Arg Thr			
85	90	95	
Gln Cys Ile Ala Asp Lys Pro Glu Glu Lys Ser Leu Cys Phe Arg Leu			
100	105	110	
Val Ser Pro Glu His Gln Cys Gln His Pro Leu Thr Thr Arg Leu Thr			
115	120	125	
Arg Gln Leu Cys Cys Cys Ser Val Gly Lys Ala Trp Gly Ala Arg Cys			
130	135	140	
Gln Arg Cys Pro Thr Asp Gly Thr Ala Ala Phe Lys Glu Ile Cys Pro			
145	150	155	160
Ala Gly Lys Gly Tyr His Ile Leu Thr Ser His Gln Thr Leu Thr Ile			
165	170	175	
Gln Gly Glu Ser Asp Phe Ser Leu Phe Leu His Pro Asp Gly Pro Pro			
180	185	190	
Lys Pro Gln Gln Leu Pro Glu Ser Pro Ser Gln Ala Pro Pro Pro Glu			
195	200	205	
Asp Thr Glu Glu Glu Arg Gly Val Thr Thr Asp Ser Pro Val Ser Glu			
210	215	220	
Glu Arg Ser Val Gln Gln Ser His Pro Thr Ala Thr Thr Pro Ala			
225	230	235	240
Arg Pro Tyr Pro Glu Leu Ile Ser Arg Pro Ser Pro Pro Thr Met Arg			

245	250	255
Trp Phe Leu Pro Asp Leu Pro Pro Ser Arg Ser Ala Val Glu Ile Ala		
260	265	270
Pro Thr Gln Val Thr Glu Thr Asp Glu Cys Arg Leu Asn Gln Asn Ile		
275	280	285
Cys Gly His Gly Glu Cys Val Pro Gly Pro Pro Asp Tyr Ser Cys His		
290	295	300
Cys Asn Pro Gly Tyr Arg Ser His Pro Gln His Arg Tyr Cys Val		
305	310	315
		319

<210> 1216

<211> 815

<212>Amino acid

<213> Homo sapiens

<400> 1216

1	5	10	15												
Gly	Glu	Ile	Val	Gln	Leu	Asn	Val	Gly	Gly	Thr	Arg	Phe	Ser	Thr	Ser
20								25						30	
Arg	Gln	Thr	Leu	Met	Trp	Ile	Pro	Asp	Ser	Phe	Phe	Ser	Ser	Leu	Leu
35								40						45	
Ser	Gly	Arg	Ile	Ser	Thr	Leu	Arg	Asp	Glu	Thr	Gly	Ala	Ile	Phe	Ile
50								55				60			
Asp	Arg	Asp	Pro	Ala	Ala	Phe	Ala	Pro	Ile	Leu	Asn	Phe	Leu	Arg	Thr
65								70				75			80
Lys	Glu	Leu	Asp	Leu	Arg	Gly	Val	Ser	Ile	Asn	Val	Leu	Arg	His	Glu
85								90				95			
Ala	Glu	Phe	Tyr	Gly	Ile	Thr	Pro	Leu	Val	Arg	Arg	Leu	Leu	Cys	
100								105				110			
Glu	Glu	Leu	Glu	Arg	Ser	Ser	Cys	Gly	Ser	Val	Leu	Phe	His	Gly	Tyr
115								120				125			
Leu	Pro	Pro	Pro	Gly	Ile	Pro	Ser	Arg	Lys	Ile	Asn	Asn	Thr	Val	Arg
130								135				140			
Ser	Ala	Asp	Ser	Arg	Asn	Gly	Leu	Asn	Ser	Thr	Glu	Gly	Ala	Arg	
145								150				155			160
Gly	Asn	Gly	Thr	Gln	Pro	Val	Leu	Ser	Gly	Thr	Gly	Glu	Thr	Val	
165								170				175			
Arg	Leu	Gly	Phe	Pro	Val	Asp	Pro	Arg	Lys	Val	Leu	Ile	Val	Ala	Gly
180								185				190			
His	His	Asn	Trp	Ile	Val	Ala	Ala	Tyr	Ala	His	Phe	Ala	Val	Trp	Tyr
195								200				205			
Arg	Ile	Lys	Glu	Ser	Ser	Gly	Trp	Gln	Gln	Val	Phe	Thr	Ser	Pro	Tyr
210								215				220			
Leu	Asp	Trp	Thr	Ile	Glu	Arg	Val	Ala	Leu	Asn	Ala	Lys	Val	Val	Gly
225								230				235			240
Gly	Pro	His	Gly	Asp	Lys	Asp	Lys	Met	Val	Ala	Val	Ala	Ser	Glu	Ser
245								250				255			
Ser	Ile	Ile	Leu	Trp	Ser	Val	Gln	Asp	Gly	Gly	Ser	Gly	Ser	Glu	Ile
260								265				270			
Gly	Val	Phe	Ser	Leu	Gly	Val	Pro	Val	Asp	Ala	Leu	Phe	Phe	Ile	Gly
275								280				285			
Asn	Gln	Leu	Val	Ala	Thr	Ser	His	Thr	Gly	Lys	Val	Gly	Val	Trp	Asn
290								295				300			
Ala	Val	Thr	Gln	His	Trp	Gln	Val	Gln	Asp	Val	Val	Pro	Ile	Thr	Ser
305								310				315			320
Tyr	Asp	Thr	Ala	Gly	Ser	Phe	Leu	Leu	Leu	Gly	Cys	Asn	Asn	Gly	Ser
325								330				335			
Ile	Tyr	Tyr	Ile	Asp	Met	Gln	Lys	Phe	Pro	Leu	Arg	Met	Lys	Asp	Asn

340	345	350
Asp Leu Leu Val Thr Glu Leu Tyr His	Asp Pro Ser Asn Asp Ala Ile	
355	360	365
Thr Ala Leu Ser Val Tyr Leu Thr Pro Lys Thr Ser Val Ser Gly Asn		
370	375	380
Trp Ile Glu Ile Ala Tyr Gly Thr Ser Ser Gly Ala Val Arg Val Ile		
385	390	395
Val Gln His Pro Glu Thr Val Gly Ser Gly Pro Gln Leu Phe Gln Thr		400
405	410	415
Phe Thr Val His Arg Ser Pro Val Thr Lys Ile Met Leu Ser Glu Lys		
420	425	430
His Leu Val Ser Val Cys Ala Asp Asn Asn His Val Arg Thr Trp Thr		
435	440	445
Val Thr Arg Phe Arg Gly Met Ile Ser Thr Gln Pro Gly Ser Thr Pro		
450	455	460
Leu Ala Ser Phe Lys Ile Leu Ser Leu Glu Glu Thr Glu Ser His Gly		
465	470	475
Ser Tyr Ser Ser Gly Asn Asp Ile Gly Pro Phe Gly Glu Arg Asp Asp		
485	490	495
Gln Gln Val Phe Ile Gln Lys Val Val Pro Ile Thr Asn Lys Leu Phe		
500	505	510
Val Arg Leu Ser Ser Thr Gly Lys Arg Ile Cys Glu Ile Gln Ala Val		
515	520	525
Asp Cys Thr Thr Ile Ser Ser Phe Thr Gly Arg Glu Cys Glu Gly Ser		
530	535	540
Ser Arg Met Gly Ser Arg Pro Arg Arg Tyr Leu Phe Thr Gly His Thr		
545	550	555
Asn Gly Ser Ile Gln Met Trp Asp Leu Thr Thr Ala Met Asp Met Val		
565	570	575
Asn Lys Ser Glu Asp Lys Asp Val Gly Gly Pro Thr Glu Glu Glu Leu		
580	585	590
Leu Lys Leu Leu Asp Gln Cys Asp Leu Ser Thr Ser Arg Cys Ala Thr		
595	600	605
Pro Asn Ile Ser Pro Ala Thr Ser Val Val Gln His Ser His Leu Arg		
610	615	620
Glu Ser Asn Ser Ser Leu Gln Leu Gln His His Asp Thr Thr His Glu		
625	630	635
Ala Ala Thr Tyr Gly Ser Met Arg Pro Tyr Arg Glu Ser Pro Leu Leu		
645	650	655
Ala Arg Ala Arg Arg Thr Glu Ser Phe His Ser Tyr Arg Asp Phe Gln		
660	665	670
Thr Ile Asn Leu Asn Arg Asn Val Glu Arg Ala Val Pro Glu Asn Gly		
675	680	685
Asn Leu Gly Pro Ile Gln Ala Glu Val Lys Gly Ala Thr Gly Glu Cys		
690	695	700
Asn Ile Ser Glu Arg Lys Ser Pro Gly Val Glu Ile Lys Ser Leu Arg		
705	710	715
Glu Leu Asp Ser Gly Leu Glu Val His Lys Ile Ala Glu Gly Phe Ser		
725	730	735
Glu Ser Lys Lys Arg Ser Ser Glu Asp Glu Asn Glu Asn Lys Ile Glu		
740	745	750
Phe Arg Lys Lys Gly Gly Phe Glu Gly Gly Phe Leu Gly Arg Lys		
755	760	765
Lys Val Pro Tyr Leu Ala Ser Ser Pro Ser Thr Ser Asp Gly Gly Thr		
770	775	780
Asp Ser Pro Gly Thr Ala Ser Pro Ser Pro Thr Lys Thr Thr Pro Ser		
785	790	795
Pro Arg His Lys Lys Ser Asp Ser Ser Gly Gln Glu Tyr Ser Leu		800
805	810	815

<210> 1217

<211> 459

<212>Amino acid

<213> Homo sapiens

<400> 1217

Arg	Arg	Pro	Thr	Arg	Pro	Ile	Leu	Thr	Asp	Glu	Leu	Phe	Lys	Arg	Thr
1						5				10				15	
Ile	Gln	Leu	Pro	His	Leu	Lys	Thr	Leu	Ile	Leu	Asn	Gly	Asn	Lys	Leu
						20			25				30		
Glu	Thr	Leu	Ser	Leu	Val	Ser	Cys	Phe	Ala	Asn	Asn	Thr	Pro	Leu	Glu
						35			40			45			
His	Leu	Asp	Leu	Ser	Gln	Asn	Leu	Leu	Gln	His	Lys	Asn	Asp	Glu	Asn
						50			55		60				
Cys	Ser	Trp	Pro	Glu	Thr	Val	Val	Asn	Met	Asn	Leu	Ser	Tyr	Asn	Lys
						65			70		75			80	
Leu	Ser	Asp	Ser	Val	Phe	Arg	Cys	Leu	Pro	Lys	Ser	Ile	Gln	Ile	Leu
						85			90			95			
Asp	Leu	Asn	Asn	Asn	Gln	Ile	Gln	Thr	Val	Pro	Lys	Glu	Thr	Ile	His
						100			105			110			
Leu	Met	Ala	Leu	Arg	Glu	Leu	Asn	Ile	Ala	Phe	Asn	Phe	Leu	Thr	Asp
						115			120			125			
Leu	Pro	Gly	Cys	Ser	His	Phe	Ser	Arg	Leu	Ser	Val	Leu	Asn	Ile	Glu
						130			135		140				
Met	Asn	Phe	Ile	Leu	Ser	Pro	Ser	Leu	Asp	Phe	Val	Gln	Ser	Cys	Gln
						145			150		155			160	
Glu	Val	Lys	Thr	Leu	Asn	Ala	Gly	Arg	Asn	Pro	Phe	Arg	Cys	Thr	Cys
						165			170			175			
Glu	Leu	Lys	Asn	Phe	Ile	Gln	Leu	Glu	Thr	Tyr	Ser	Glu	Val	Met	Met
						180			185			190			
Val	Gly	Trp	Ser	Asp	Ser	Tyr	Thr	Cys	Glu	Tyr	Pro	Leu	Asn	Leu	Arg
						195			200			205			
Gly	Thr	Arg	Leu	Lys	Asp	Val	His	Leu	His	Glu	Leu	Ser	Cys	Asn	Thr
						210			215		220				
Ala	Leu	Leu	Ile	Val	Thr	Ile	Val	Val	Ile	Met	Leu	Val	Leu	Gly	Leu
						225			230		235			240	
Ala	Val	Ala	Phe	Cys	Cys	Leu	His	Phe	Asp	Leu	Pro	Trp	Tyr	Leu	Arg
						245			250			255			
Met	Leu	Gly	Gln	Cys	Thr	Gln	Thr	Trp	His	Arg	Val	Arg	Lys	Thr	Thr
						260			265			270			
Gln	Glu	Gln	Leu	Lys	Arg	Asn	Val	Arg	Phe	His	Ala	Phe	Ile	Ser	Tyr
						275			280			285			
Ser	Glu	His	Asp	Ser	Leu	Trp	Val	Lys	Asn	Glu	Leu	Ile	Pro	Asn	Leu
						290			295		300				
Glu	Lys	Glu	Asp	Gly	Ser	Ile	Leu	Ile	Cys	Leu	Tyr	Glu	Ser	Tyr	Phe
						305			310		315			320	
Asp	Pro	Gly	Lys	Ser	Ile	Ser	Glu	Asn	Ile	Val	Ser	Phe	Ile	Glu	Lys
						325			330			335			
Ser	Tyr	Lys	Ser	Ile	Phe	Val	Leu	Ser	Pro	Asn	Phe	Val	Gln	Asn	Glu
						340			345			350			
Trp	Cys	His	Tyr	Glu	Phe	Tyr	Phe	Ala	His	His	Asn	Leu	Phe	His	Glu
						355			360			365			
Asn	Ser	Asp	His	Ile	Ile	Leu	Leu	Leu	Glu	Pro	Ile	Pro	Phe	Tyr	
						370			375			380			
Cys	Ile	Pro	Thr	Arg	Tyr	His	Lys	Leu	Lys	Ala	Leu	Leu	Glu	Lys	Lys
						385			390		395			400	
Ala	Tyr	Leu	Glu	Trp	Pro	Lys	Asp	Arg	Arg	Lys	Cys	Gly	Leu	Phe	Trp
						405			410			415			
Ala	Asn	Leu	Arg	Ala	Ala	Ile	Asn	Val	Asn	Val	Leu	Ala	Thr	Arg	Glu
						420			425			430			
Met	Tyr	Glu	Leu	Gln	Thr	Phe	Thr	Glu	Leu	Asn	Glu	Glu	Ser	Arg	Gly
						435			440			445			
Ser	Thr	Ile	Ser	Leu	Met	Arg	Thr	Asp	Cys	Leu					

450

455

459

<210> 1218
<211> 366
<212>Amino acid
<213> Homo sapiens

<400> 1218
Pro Thr Arg Pro Pro Thr Arg Pro Pro Thr Arg Pro Leu Leu Thr Pro
1 5 10 15
Ser Trp Thr Ser Thr Gly Arg Met Trp Ser His Leu Asn Arg Leu Leu
20 25 30
Phe Trp Ser Ile Phe Ser Ser Val Thr Cys Arg Lys Ala Val Leu Asp
35 40 45
Cys Glu Ala Met Lys Thr Asn Glu Phe Pro Ser Pro Cys Leu Asp Ser
50 55 60
Lys Thr Lys Val Val Met Lys Gly Gln Asn Val Ser Met Phe Cys Ser
65 70 75 80
His Lys Asn Lys Ser Leu Gln Ile Thr Tyr Ser Leu Phe Arg Arg Lys
85 90 95
Thr His Leu Gly Thr Gln Asp Gly Lys Gly Glu Pro Ala Ile Phe Asn
100 105 110
Leu Ser Ile Thr Glu Ala His Glu Ser Gly Pro Tyr Lys Cys Lys Ala
115 120 125
Gln Val Thr Ser Cys Ser Lys Tyr Ser Arg Asp Phe Ser Phe Thr Ile
130 135 140
Val Asp Pro Val Thr Ser Pro Val Leu Asn Ile Met Val Ile Gln Thr
145 150 155 160
Glu Thr Asp Arg His Ile Thr Leu His Cys Leu Ser Val Asn Gly Ser
165 170 175
Leu Pro Ile Asn Tyr Thr Phe Phe Glu Asn His Val Ala Ile Ser Pro
180 185 190
Ala Ile Ser Lys Tyr Asp Arg Glu Pro Ala Glu Phe Asn Leu Thr Lys
195 200 205
Lys Asn Pro Gly Glu Glu Glu Glu Tyr Arg Cys Glu Ala Lys Asn Arg
210 215 220
Leu Pro Asn Tyr Ala Thr Tyr Ser His Pro Val Thr Met Pro Ser Thr
225 230 235 240
Gly Gly Asp Ser Cys Pro Phe Cys Leu Lys Leu Leu Pro Gly Leu
245 250 255
Leu Leu Leu Val Val Ile Ile Leu Ile Leu Ala Phe Trp Val Leu
260 265 270
Pro Lys Tyr Lys Thr Arg Lys Ala Met Arg Asn Asn Val Pro Arg Asp
275 280 285
Arg Gly Asp Thr Ala Met Glu Val Gly Ile Tyr Ala Asn Ile Leu Glu
290 295 300
Lys Gln Ala Lys Glu Glu Ser Val Pro Glu Val Gly Ser Arg Pro Cys
305 310 315 320
Val Ser Thr Ala Gln Asp Glu Ala Lys His Ser Gln Glu Leu Gln Tyr
325 330 335
Ala Thr Pro Val Phe Gln Glu Val Ala Pro Arg Glu Gln Glu Ala Cys
340 345 350
Asp Ser Tyr Lys Ser Gly Tyr Val Tyr Ser Glu Leu Asn Phe
355 360 365 366

<210> 1219
<211> 97
<212>Amino acid

<213> Homo sapiens

<400> 1219

Phe	Phe	Phe	Glu	Glu	Arg	Arg	Thr	Gly	Ser	His	Ser	Val	Gly	His	
1			5				10					15			
Pro	Arg	Met	Glu	Tyr	Ser	Gly	Val	Ser	Met	Ala	His	Cys	Ser	Leu	Asn
			20				25					30			
Leu	Leu	Gly	Ser	Ser	Asn	Ser	Pro	Ser	Ser	Ala	Ser	Gln	Asp	Ala	Arg
		35					40					45			
Thr	Thr	Gly	Ala	Cys	Gln	His	Ala	Gln	Leu	Ile	Gly	Phe	Phe	Phe	
		50					55					60			
Val	Glu	Thr	Ala	Ser	Pro	Gln	Val	Thr	His	Ala	Gly	Leu	Lys	His	Leu
	65						70					75			80
Val	Ser	Arg	Asn	Pro	Ser	Ala	Val	Thr	Ser	Gln	Ser	Ala	Arg	Ile	Lys
							85					90			95
Thr															
	97														

<210> 1220

<211> 242

<212> Amino acid

<213> Homo sapiens

<400> 1220

Asn	Arg	Glu	Gly	Ala	Arg	Lys	Ile	Gln	Asn	Lys	Trp	Leu	Arg	Pro	Ser
1				5					10			15			
Pro	Arg	Ser	His	Arg	Thr	Pro	Glu	Ser	Val	Ser	Pro	Glu	Arg	Tyr	Ser
				20				25				30			
Tyr	Gly	Thr	Ser	Ser	Ser	Lys	Arg	Thr	Glu	Gly	Ser	Cys	Arg	Arg	
	35						40					45			
Arg	Arg	Gln	Ser	Ser	Ser	Ser	Ala	Asn	Ser	Gln	Gln	Gly	Gln	Trp	Glu
	50						55					60			
Thr	Gly	Ser	Pro	Pro	Thr	Lys	Arg	Gln	Arg	Arg	Ser	Arg	Gly	Arg	Pro
	65					70					75				80
Ser	Gly	Gly	Ala	Lys	Arg	Arg	Arg	Gly	Ala	Pro	Ala	Ala	Pro	Gln	
				85				90					95		
Gln	Gln	Ser	Glu	Pro	Ala	Arg	Pro	Ser	Glu	Gly	Lys	Val	Thr	Cys	
				100				105				110			
Asp	Ile	Arg	Leu	Arg	Val	Arg	Ala	Glu	Tyr	Cys	Glu	His	Gly	Pro	Ala
				115				120				125			
Leu	Glu	Gln	Gly	Val	Ala	Ser	Arg	Arg	Pro	Gln	Ala	Leu	Ala	Arg	Gln
	130					135					140				
Leu	Asp	Val	Phe	Gly	Gln	Ala	Thr	Ala	Val	Leu	Arg	Ser	Arg	Asp	Leu
	145						150				155				160
Gly	Ser	Val	Val	Cys	Asp	Ile	Lys	Phe	Ser	Glu	Leu	Ser	Tyr	Leu	Asp
				165				170				175			
Ala	Phe	Trp	Gly	Asp	Tyr	Leu	Ser	Gly	Ala	Leu	Leu	Gln	Ala	Leu	Arg
				180				185				190			
Gly	Val	Phe	Leu	Thr	Glu	Ala	Leu	Arg	Glu	Ala	Val	Gly	Arg	Glu	Ala
	195						200					205			
Val	Arg	Leu	Leu	Val	Ser	Val	Asp	Glu	Ala	Asp	Tyr	Glu	Ala	Gly	Arg
	210						215					220			
Arg	Arg	Leu	Leu	Leu	Met	Glu	Glu	Glu	Gly	Gly	Arg	Arg	Pro	Thr	Glu
	225					230					235				240
Ala	Ser														

242

<210> 1221
 <211> 440
 <212>Amino acid
 <213> Homo sapiens

<400> 1221

Ala	Pro	Asn	Thr	Ala	Glu	Leu	Arg	Ile	Cys	Arg	Val	Asn	Lys	Asn	Cys
1				5				10				15			
Gly	Ser	Val	Arg	Gly	Gly	Asp	Glu	Ile	Phe	Leu	Leu	Cys	Asp	Lys	Val
				20				25				30			
Gln	Lys	Asp	Asp	Ile	Glu	Val	Arg	Phe	Val	Leu	Asn	Asp	Trp	Glu	Ala
				35				40				45			
Lys	Gly	Ile	Phe	Ser	Gln	Ala	Asp	Val	His	Arg	Gln	Val	Ala	Ile	Val
				50				55				60			
Phe	Lys	Thr	Pro	Pro	Tyr	Cys	Lys	Ala	Ile	Thr	Glu	Pro	Val	Thr	Val
				65				70				75			80
Lys	Met	Gln	Leu	Arg	Arg	Pro	Ser	Asp	Gln	Glu	Val	Ser	Glu	Ser	Met
				85				90				95			
Asp	Phe	Arg	Tyr	Leu	Pro	Asp	Glu	Lys	Asp	Thr	Tyr	Gly	Asn	Lys	Ala
				100				105				110			
Lys	Lys	Gln	Lys	Thr	Thr	Leu	Leu	Phe	Gln	Lys	Leu	Cys	Gln	Asp	His
				115				120				125			
Val	Glu	Thr	Gly	Phe	Arg	His	Val	Asp	Gln	Asp	Gly	Leu	Glu	Leu	Leu
				130				135				140			
Thr	Ser	Gly	Asp	Pro	Pro	Thr	Leu	Ala	Ser	Gln	Ser	Ala	Gly	Ile	Thr
				145				150				155			160
Val	Asn	Phe	Pro	Glu	Arg	Pro	Arg	Pro	Gly	Leu	Leu	Gly	Ser	Ile	Gly
				165				170				175			
Glu	Gly	Arg	Tyr	Phe	Lys	Lys	Glu	Pro	Asn	Leu	Phe	Ser	His	Asp	Ala
				180				185				190			
Val	Val	Arg	Glu	Met	Pro	Thr	Gly	Val	Ser	Ser	Gln	Ala	Glu	Ser	Tyr
				195				200				205			
Tyr	Pro	Ser	Pro	Gly	Pro	Ile	Ser	Ser	Gly	Leu	Ser	His	His	Ala	Ser
				210				215				220			
Met	Ala	Pro	Leu	Pro	Ser	Ser	Ser	Trp	Ser	Ser	Val	Ala	His	Pro	Thr
				225				230				235			240
Pro	Arg	Ser	Gly	Asn	Thr	Asn	Pro	Leu	Ser	Ser	Phe	Ser	Thr	Arg	Thr
				245				250				255			
Leu	Pro	Ser	Asn	Ser	Gln	Gly	Ile	Pro	Pro	Phe	Leu	Arg	Ile	Pro	Val
				260				265				270			
Gly	Asn	Asp	Leu	Asn	Ala	Ser	Asn	Ala	Cys	Ile	Tyr	Asn	Asn	Ala	Asp
				275				280				285			
Asp	Ile	Val	Gly	Met	Glu	Ala	Ser	Ser	Met	Pro	Ser	Ala	Asp	Leu	Tyr
				290				295				300			
Gly	Ile	Ser	Asp	Pro	Asn	Met	Leu	Ser	Asn	Cys	Ser	Val	Asn	Met	Met
				305				310				315			320
Thr	Thr	Ser	Ser	Asp	Ser	Met	Gly	Glu	Thr	Asp	Asn	Pro	Arg	Leu	Leu
				325				330				335			
Ser	Met	Asn	Leu	Glu	Asn	Pro	Ser	Cys	Asn	Ser	Val	Leu	Asp	Pro	Arg
				340				345				350			
Asp	Leu	Arg	Gln	Leu	His	Gln	Met	Ser	Ser	Ser	Ser	Met	Ser	Ala	Gly
				355				360				365			
Ala	Asn	Ser	Asn	Thr	Thr	Val	Phe	Val	Ser	Gln	Ser	Asp	Ala	Phe	Glu
				370				375				380			
Gly	Ser	Asp	Phe	Ser	Cys	Ala	Asp	Asn	Ser	Met	Ile	Asn	Glu	Ser	Gly
				385				390				395			400
Pro	Ser	Asn	Ser	Thr	Asn	Pro	Asn	Ser	His	Gly	Phe	Val	Gln	Asp	Ser

405	410	415
Gln Tyr Ser Gly Ile Gly Ser Met Gln Asn Glu Gln Leu Ser Asp Ser		
420	425	430
Phe Pro Tyr Glu Phe Phe Gln Val		
435	440	

<210> 1222
 <211> 437
 <212>Amino acid
 <213> Homo sapiens

<400> 1222
 Arg Arg Leu Ser Leu Leu Asp Leu Gln Leu Gly Pro Leu Gly Arg Asp
 1 5 10 15
 Pro Pro Gln Glu Cys Ser Thr Phe Ser Pro Thr Asp Ser Gly Glu Glu
 20 25 30
 Pro Gly Gln Leu Ser Pro Gly Val Gln Phe Gln Arg Arg Gln Asn Gln
 35 40 45
 Arg Arg Phe Ser Met Glu Asp Val Ser Lys Arg Leu Ser Leu Pro Met
 50 55 60
 Asp Ile Arg Leu Pro Gln Glu Phe Leu Gln Lys Leu Gln Met Glu Ser
 65 70 75 80
 Pro Asp Leu Pro Lys Pro Leu Ser Arg Met Ser Arg Arg Ala Ser Leu
 85 90 95
 Ser Asp Ile Gly Phe Gly Lys Leu Glu Thr Tyr Val Lys Leu Asp Lys
 100 105 110
 Leu Gly Glu Gly Thr Tyr Ala Thr Val Phe Lys Gly Arg Ser Lys Leu
 115 120 125
 Thr Glu Asn Leu Val Ala Leu Lys Glu Ile Arg Leu Glu His Glu Glu
 130 135 140
 Gly Ala Pro Cys Thr Ala Ile Arg Glu Val Ser Leu Leu Lys Asn Leu
 145 150 155 160
 Lys His Ala Asn Ile Val Thr Leu His Asp Leu Ile His Thr Asp Arg
 165 170 175
 Ser Leu Thr Leu Val Phe Glu Tyr Leu Asp Ser Asp Leu Lys Gln Tyr
 180 185 190
 Leu Asp His Cys Gly Asn Leu Met Ser Met His Asn Val Lys Ile Phe
 195 200 205
 Met Phe Gln Leu Leu Arg Gly Leu Ala Tyr Cys His His Arg Lys Ile
 210 215 220
 Leu His Arg Asp Leu Lys Pro Gln Asn Leu Leu Ile Asn Glu Arg Gly
 225 230 235 240
 Glu Leu Lys Leu Ala Asp Phe Gly Leu Ala Arg Ala Lys Ser Val Pro
 245 250 255
 Thr Lys Thr Tyr Ser Asn Glu Val Val Thr Leu Trp Tyr Arg Pro Pro
 260 265 270
 Asp Val Leu Leu Gly Ser Thr Glu Tyr Ser Thr Pro Ile Asp Met Trp
 275 280 285
 Gly Val Gly Cys Ile His Tyr Glu Met Ala Thr Gly Arg Pro Leu Phe
 290 295 300
 Pro Gly Ser Thr Val Lys Glu Glu Leu His Lys Ile Asn Arg Leu Leu
 305 310 315 320
 Gly Thr Pro Thr Glu Glu Thr Trp Pro Gly Val Thr Ala Phe Ser Glu
 325 330 335
 Phe Arg Thr Tyr Ser Phe Pro Cys Tyr Leu Pro Gln Pro Leu Ile Asn
 340 345 350
 His Ala Pro Arg Leu Asp Thr Asp Gly Ile His Leu Leu Ser Ser Leu
 355 360 365
 Leu Leu Tyr Glu Ser Lys Ser Arg Met Ser Ala Glu Ala Ala Leu Ser

370	375	380
His Ser Tyr Phe Arg Ser Leu Gly Glu Arg Val His Gln Leu Glu Asp		
385	390	395 400
Thr Ala Ser Ile Phe Ser Leu Lys Glu Ile Gln Leu Gln Lys Asp Pro		
405	410	415
Gly Tyr Arg Gly Leu Ala Phe Gln Gln Pro Gly Arg Gly Lys Asn Arg		
420	425	430
Arg Gln Ser Ile Phe		
435	437	

<210> 1223
<211> 150
<212>Amino acid
<213> Homo sapiens

<400> 1223		
Cys Thr Pro His Gly Ser Ser Ser Trp Lys Ile Pro Leu Trp Pro		
1	5	10 15
Arg His Met Ser Pro Leu His Ser Cys Leu Pro Val Gly Thr Ser Thr		
20	25	30
Ser Ser Gly Pro Leu Ala Val Pro Arg Asp Cys Phe His Leu Cys Cys.		
35	40	45
Leu Trp Gly Gln Leu Leu Leu Ile Ser Cys Pro Leu Ala Cys Gly Gln		
50	55	60
Gly Cys Arg Val Ala Gly Gly Gln Gln His Val Pro Gly Gln Ala Leu		
65	70	75 80
Gly Thr Leu Ser Pro Leu Val Ser Leu Leu Thr Trp Ala Gly Pro Ser		
85	90	95
Leu Asp Trp Pro His Pro Gly Ser Leu Val Thr Pro Arg Cys Pro Ile		
100	105	110
Leu Pro Ala Val Pro Val Leu Val Lys Gly Leu Gly Gly Trp Pro Pro		
115	120	125
Thr Arg Pro Ser Arg Ala Ala Pro Val Ser Gly Pro Trp Asp Gln Leu		
130	135	140
Pro Tyr Phe Pro Gly Leu		
145	150	

<210> 1224
<211> 276
<212>Amino acid
<213> Homo sapiens

<400> 1224		
Leu Ile Ser Pro Val Trp Gly Asn Ile Gln Arg Ser Arg Ser Val Pro		
1	5	10 15
Leu Phe Pro Ser Gly Leu Val Leu Gly Gly Ile Trp Ala Arg Gly Pro		
20	25	30
Leu Leu Ala Leu Leu Ala Ser Phe Asn Ile Ile Ser Val Leu Asn Ala		
35	40	45
Glu Cys Tyr Leu Lys Gln Ile Leu His Pro Thr Ser His Phe Thr Val		
50	55	60
Ser Glu Thr Pro Pro Leu Ser Gly Asn Asp Thr Asp Ser Leu Ser Cys		
65	70	75 80
Asp Ser Gly Ser Ser Ala Thr Ser Thr Pro Cys Val Ser Arg Leu Val		

85	90	95
Thr Gly His His Leu Trp Ala Ser Lys Asn Gly Arg His Val Leu Gly		
100	105	110
Leu Ile Glu Asp Tyr Glu Ala Leu Leu Lys Gln Ile Ser Gln Gly Gln		
115	120	125
Arg Leu Leu Ala Glu Met Asp Ile Gln Thr Gln Glu Ala Pro Ser Ser		
130	135	140
Thr Ser Gln Glu Leu Gly Thr Lys Gly Pro His Pro Ala Pro Leu Ser		
145	150	155
Lys Phe Val Ser Ser Val Ser Thr Ala Lys Leu Thr Leu Glu Glu Ala		
165	170	175
Tyr Arg Arg Leu Lys Leu Leu Trp Arg Val Ser Leu Pro Glu Asp Gly		
180	185	190
Gln Cys Pro Leu His Cys Glu Gln Ile Gly Glu Met Lys Ala Glu Val		
195	200	205
Thr Lys Leu His Lys Lys Leu Phe Glu Gln Glu Lys Lys Leu Gln Asn		
210	215	220
Thr Met Lys Leu Leu Gln Leu Ser Lys Arg Gln Glu Lys Val Ile Phe		
225	230	235
Asp Gln Leu Val Val Thr His Lys Ile Leu Arg Lys Ala Arg Gly Asn		
245	250	255
Leu Glu Leu Arg Pro Gly Gly Ala His Pro Gly Thr Cys Ser Pro Ser		
260	265	270
Arg Pro Gly Ser		
275	276	

<210> 1225
 <211> 270
 <212>Amino acid
 <213> Homo sapiens

<400> 1225																
Leu	Gly	Leu	Phe	Cys	Ile	Leu	Pro	Ile	Asp	Thr	Leu	Cys	Ala	Val	Leu	
1					5					10						15
Glu	Arg	Asp	Thr	Leu	Ser	Ile	Arg	Glu	Ser	Arg	Leu	Phe	Gly	Ala	Val	
						20			25							30
Val	Arg	Trp	Ala	Glu	Ala	Glu	Cys	Gln	Arg	Gln	Gln	Leu	Pro	Val	Thr	
						35			40							45
Phe	Gly	Asn	Asn	Gln	Lys	Val	Leu	Gly	Lys	Ala	Leu	Ser	Leu	Ile	Arg	
						50			55							60
Phe	Pro	Leu	Met	Thr	Ile	Glu	Glu	Phe	Ala	Ala	Gly	Pro	Ala	Gln	Ser	
						65			70							80
Gly	Ile	Leu	Ser	Asp	Arg	Glu	Val	Val	Asn	Leu	Phe	Leu	His	Phe	Thr	
						85			90							95
Val	Asn	Pro	Lys	Pro	Arg	Val	Glu	Tyr	Ile	Asp	Arg	Pro	Arg	Cys	Cys	
						100			105							110
Leu	Arg	Gly	Lys	Glu	Cys	Cys	Ile	Asn	Arg	Phe	Gln	Gln	Val	Glu	Ser	
						115			120							125
Arg	Trp	Gly	Tyr	Ser	Gly	Thr	Ser	Asp	Arg	Ile	Arg	Phe	Thr	Val	Asn	
						130			135							140
Arg	Arg	Ile	Ser	Ile	Val	Gly	Phe	Gly	Leu	Tyr	Gly	Ser	Ile	His	Gly	
						145			150							160
Pro	Thr	Asp	Tyr	Gln	Val	Asn	Ile	Gln	Ile	Ile	Glu	Tyr	Glu	Lys	Lys	
						165			170							175
Gln	Thr	Leu	Gly	Gln	Asn	Asp	Thr	Gly	Phe	Ser	Cys	Asp	Gly	Thr	Ala	
						180			185							190
Asn	Thr	'Phe	Arg	Val	Met	Phe	Lys	Glu	Pro	Ile	Glu	Ile	Leu	Pro	Asn	
						195			200							205
Val	Cys	Tyr	Thr	Ala	Cys	Ala	Thr	Leu	Lys	Gly	Pro	Asp	Ser	His	Tyr	

210	215	220
Gly Thr Lys Gly Leu Lys Lys Val Val His Glu Thr Pro Ala Ala Ser		
225	230	235
Lys Thr Val Phe Phe Phe Ser Ser Pro Gly Asn Asn Asn Gly Thr		
245	250	255
Ser Ile Glu Asp Gly Gln Ile Pro Glu Ile Ile Phe Tyr Thr		
260	265	270

<210> 1226
<211> 273
<212>Amino acid
<213> Homo sapiens

<400> 1226		
Ser Val Trp Trp Asn Ser Glu Val Lys Asp Trp Met Gln Lys Lys Arg		
1	5	10
Arg Gly Leu Arg Asn Ser Arg Ala Thr Ala Gly Asp Ile Ala His Tyr		
20	25	30
Tyr Arg Asp Tyr Val Val Lys Lys Gly Leu Gly His Asn Phe Val Ser		
35	40	45
Gly Ala Val Val Thr Ala Val Glu Trp Gly Thr Pro Asp Pro Ser Ser		
50	55	60
Cys Gly Ala Gln Asp Ser Ser Pro Leu Phe Gln Val Ser Gly Phe Leu		
65	70	75
Thr Arg Asn Gln Ala Gln Gln Pro Phe Ser Leu Trp Ala Arg Asn Val		
85	90	95
Val Leu Ala Thr Gly Thr Phe Asp Ser Pro Ala Arg Leu Gly Ile Pro		
100	105	110
Gly Glu Ala Leu Pro Phe Ile His His Glu Leu Ser Ala Leu Glu Ala		
115	120	125
Ala Thr Arg Val Gly Ala Val Thr Pro Ala Ser Asp Pro Val Leu Ile		
130	135	140
Ile Gly Ala Gly Leu Ser Ala Ala Asp Ala Val Leu Tyr Ala Arg His		
145	150	155
Tyr Asn Ile Pro Val Ile His Ala Phe Arg Arg Ala Val Asp Asp Pro		
165	170	175
Gly Leu Val Phe Asn Gln Leu Pro Lys Met Leu Tyr Pro Glu Tyr His		
180	185	190
Lys Val His Gln Met Met Arg Glu Gln Ser Ile Leu Ser Pro Ser Pro		
195	200	205
Tyr Glu Gly Tyr Arg Ser Leu Pro Arg His Gln Leu Leu Cys Phe Lys		
210	215	220
Glu Asp Cys Gln Ala Val Phe Gln Asp Leu Glu Gly Val Glu Lys Val		
225	230	235
Phe Gly Val Ser Leu Val Leu Val Leu Ile Gly Ser His Pro Asp Leu		
245	250	255
Ser Phe Leu Pro Gly Ala Gly Leu Thr Leu Gln Trp Ile Leu Thr Ser		
260	265	270

Arg
273

<210> 1227
<211> 86
<212>Amino acid
<213> Homo sapiens

<400> 1227

Lys Leu Arg Pro Phe Ile Phe Ser Asn Gln Ser Leu Trp Leu His Ser
 1 5 10 15
 Tyr Glu Gly Ala Glu Leu Glu Lys Thr Phe Ile Lys Gly Ser Trp Ala
 20 25 30
 Thr Phe Trp Val Lys Val Ala Ser Cys Trp Ala Cys Val Leu Leu Tyr
 35 40 45
 Leu Gly Leu Leu Ala Pro Leu Cys Trp Pro Pro Thr Gln Lys Pro
 50 55 60
 Gln Pro Leu Ile Leu Arg Arg Arg Arg His Arg Ile Ile Ser Pro Asp
 65 70 75 80
 Asn Lys Tyr Pro Pro Val
 85 86

<210> 1228

<211> 249

<212>Amino acid

<213> Homo sapiens

<400> 1228

Gln Leu Ile His Leu Ser His Gly Tyr Gln Ile His Trp Thr Asp Tyr
 1 5 10 15
 Tyr Asn Val Gly Thr Gly Arg Pro Glu Phe Gly Thr Arg Ala Ala His
 20 25 30
 Lys Ser Leu Ala Gly Ala Glu Leu Lys Thr Leu Lys Asp Phe Val Thr
 35 40 45
 Val Leu Ala Lys Leu Phe Pro Gly Arg Pro Pro Val Lys Lys Leu Leu
 50 55 60
 Glu Met Leu Gln Glu Trp Leu Ala Ser Leu Pro Leu Asp Arg Ile Pro
 65 70 75 80
 Tyr Asn Ala Val Leu Asp Leu Val Asn Asn Lys Met Arg Ile Ser Gly
 85 90 95
 Ile Phe Leu Thr Asn His Ile Lys Trp Val Gly Cys Gln Gly Ser Arg
 100 105 110
 Ser Glu Leu Arg Gly Tyr Pro Cys Ser Leu Trp Lys Leu Phe His Thr
 115 120 125
 Leu Thr Val Glu Ala Ser Thr His Pro Asp Ala Leu Val Gly Thr Gly
 130 135 140
 Phe Glu Asp Asp Pro Gln Ala Val Leu Gln Thr Met Arg Arg Tyr Val
 145 150 155 160
 His Thr Phe Phe Gly Cys Lys Glu Cys Gly Glu His Phe Glu Glu Met
 165 170 175
 Ala Lys Glu Ser Met Asp Ser Val Lys Thr Pro Asp Gln Ala Ile Leu
 180 185 190
 Trp Leu Trp Lys Lys His Asn Met Val Asn Gly Arg Leu Ala Gly Glu
 195 200 205
 Lys Pro Leu Gly Met Gly Gly Ser Ala Arg Ala Glu Gly Gly Pro Gly
 210 215 220
 Pro Gly Thr Ala Arg Thr Ala Arg Leu Pro Trp Gly Leu Ser Leu Ser
 225 230 235 240
 Phe Ala Ala Ser Cys His Pro Leu Cys
 245 249

<210> 1229

<211> 800

<212>Amino acid

<213> Homo sapiens

<400> 1229

His	Gly	Gly	Ala	Thr	Phe	Ile	Asn	Ala	Phe	Val	Thr	Thr	Pro	Met	Cys
1					5					10				15	
Cys	Pro	Ser	Arg	Ser	Ser	Met	Leu	Thr	Gly	Lys	Tyr	Val	His	Asn	His
					20					25				30	
Asn	Val	Tyr	Thr	Asn	Asn	Glu	Asn	Cys	Ser	Ser	Pro	Ser	Trp	Gln	Ala
					35					40				45	
Met	His	Glu	Pro	Arg	Thr	Phe	Ala	Val	Tyr	Leu	Asn	Asn	Thr	Gly	Tyr
					50					55				60	
Arg	Thr	Ala	Phe	Phe	Gly	Lys	Tyr	Leu	Asn	Glu	Tyr	Asn	Gly	Ser	Tyr
					65					70				75	
Ile	Pro	Pro	Gly	Trp	Arg	Glu	Trp	Leu	Gly	Leu	Ile	Lys	Asn	Ser	Arg
					85					90				95	
Phe	Tyr	Asn	Tyr	Thr	Val	Cys	Arg	Asn	Gly	Ile	Lys	Glu	Lys	His	Gly
					100					105				110	
Phe	Asp	Tyr	Ala	Lys	Asp	Tyr	Phe	Thr	Asp	Leu	Ile	Thr	Asn	Glu	Ser
					115					120				125	
Ile	Asn	Tyr	Phe	Lys	Met	Ser	Lys	Arg	Met	Tyr	Pro	His	Arg	Pro	Val
					130					135				140	
Met	Met	Val	Ile	Ser	His	Ala	Glu	Pro	His	Gly	Pro	Glu	Asp	Ser	Ala
					145					150				155	
Pro	Gln	Phe	Ser	Lys	Leu	Tyr	Pro	Asn	Ala	Ser	Gln	His	Ile	Thr	Pro
					165					170				175	
Ser	Tyr	Asn	Tyr	Ala	Pro	Asn	Met	Asp	Lys	His	Trp	Ile	Met	Gln	Tyr
					180					185				190	
Thr	Gly	Pro	Met	Leu	Pro	Ile	His	Met	Glu	Phe	Thr	Asn	Ile	Leu	Gln
					195					200				205	
Arg	Lys	Arg	Leu	Gln	Thr	Leu	Met	Ser	Val	Asp	Asp	Ser	Val	Glu	Arg
					210					215				220	
Leu	Tyr	Asn	Met	Leu	Val	Glu	Thr	Gly	Glu	Leu	Glu	Asn	Thr	Tyr	Ile
					225					230				235	
Ile	Tyr	Thr	Ala	Asp	His	Gly	Tyr	His	Ile	Gly	Gln	Phe	Gly	Leu	Val
					245					250				255	
Lys	Gly	Lys	Ser	Met	Pro	Tyr	Asp	Phe	Asp	Ile	Arg	Val	Pro	Phe	Phe
					260					265				270	
Ile	Arg	Gly	Pro	Ser	Val	Glu	Pro	Gly	Ser	Ile	Val	Pro	Gln	Ile	Val
					275					280				285	
Leu	Asn	Ile	Asp	Leu	Ala	Pro	Thr	Ile	Leu	Asp	Ile	Ala	Gly	Leu	Asp
					290					295				300	
Thr	Pro	Pro	Asp	Val	Asp	Gly	Lys	Ser	Val	Leu	Lys	Leu	Leu	Asp	Pro
					305					310				315	
Glu	Lys	Pro	Gly	Asn	Arg	Phe	Arg	Thr	Asn	Lys	Lys	Ala	Lys	Ile	Trp
					325					330				335	
Arg	Asp	Thr	Phe	Leu	Val	Glu	Arg	Gly	Lys	Phe	Leu	Arg	Lys	Glu	
					340					345				350	
Glu	Ser	Ser	Lys	Asn	Ile	Gln	Gln	Ser	Asn	His	Leu	Pro	Lys	Tyr	Glu
					355					360				365	
Arg	Val	Lys	Glu	Leu	Cys	Gln	Gln	Ala	Arg	Tyr	Gln	Thr	Ala	Cys	Glu
					370					375				380	
Gln	Pro	Gly	Gln	Lys	Trp	Gln	Cys	Ile	Glu	Asp	Thr	Ser	Gly	Lys	Leu
					385					390				395	
Arg	Ile	His	Lys	Cys	Lys	Gly	Pro	Ser	Asp	Leu	Leu	Thr	Val	Arg	Gln
					405					410				415	
Ser	Thr	Arg	Asn	Leu	Tyr	Ala	Arg	Gly	Phe	His	Asp	Lys	Asp	Lys	Glu
					420					425				430	
Cys	Ser	Cys	Arg	Glu	Ser	Gly	Tyr	Arg	Ala	Ser	Arg	Ser	Gln	Arg	Lys
					435					440				445	
Ser	Gln	Arg	Gln	Phe	Leu	Arg	Asn	Gln	Gly	Thr	Pro	Lys	Tyr	Lys	Pro

450	455	460
Arg Phe Val His Thr Arg Gln Thr Arg Ser Leu Ser Val Glu Phe Glu		
465	470	475
Gly Glu Ile Tyr Asp Ile Asn Leu Glu Glu Glu Glu Leu Gln Val		480
485	490	495
Leu Gln Pro Arg Asn Ile Ala Lys Arg His Asp Glu Gly His Lys Gly		
500	505	510
Pro Arg Asp Leu Gln Ala Ser Ser Gly Gly Asn Arg Gly Arg Met Leu		
515	520	525
Ala Asp Ser Ser Asn Ala Val Gly Pro Pro Thr Thr Val Arg Val Thr		
530	535	540
His Lys Cys Phe Ile Leu Pro Asn Asp Ser Ile His Cys Glu Arg Glu		
545	550	555
Leu Tyr Gln Ser Ala Arg Ala Trp Lys Asp His Lys Ala Tyr Ile Asp		560
565	570	575
Glu Glu Ile Glu Ala Leu Gln Asp Lys Ile Lys Asn Leu Arg Glu Val		
580	585	590
Arg Gly His Leu Lys Arg Arg Lys Pro Glu Glu Cys Ser Cys Ser Lys		
595	600	605
Gln Ser Tyr Tyr Asn Lys Glu Lys Gly Val Lys Lys Gln Glu Lys Leu		
610	615	620
Lys Ser His Leu His Pro Phe Lys Glu Ala Ala Gln Glu Val Asp Ser		
625	630	635
Lys Leu Gln Leu Phe Lys Glu Asn Asn Arg Arg Arg Lys Lys Glu Arg		640
645	650	655
Lys Glu Lys Arg Arg Gln Arg Lys Gly Glu Glu Cys Ser Leu Pro Gly		
660	665	670
Leu Thr Cys Phe Thr His Asp Asn Asn His Trp Gln Thr Ala Pro Phe		
675	680	685
Trp Asn Leu Gly Ser Phe Cys Ala Cys Thr Ser Ser Asn Asn Asn Thr		
690	695	700
Tyr Trp Cys Leu Arg Thr Val Asn Glu Thr His Asn Phe Leu Phe Cys		
705	710	715
Glu Phe Ala Thr Gly Phe Leu Glu Tyr Phe Asp Met Asn Thr Asp Pro		720
725	730	735
Tyr Gln Leu Thr Asn Thr Val His Thr Val Glu Arg Gly Ile Leu Asn		
740	745	750
Gln Leu His Val Gln Leu Met Glu Leu Arg Ser Cys Gln Gly Tyr Lys		
755	760	765
Gln Cys Asn Pro Arg Pro Lys Asn Leu Asp Val Gly Asn Lys Asp Gly		
770	775	780
Gly Ser Tyr Asp Leu His Arg Gly Gln Leu Trp Asp Gly Trp Glu Gly		
785	790	795
		800

<210> 1230
<211> 698
<212>Amino acid
<213> Homo sapiens

<400> 1230			
His Leu Leu Ile Ala Gln Glu Leu Ala Asp Arg Val Gly Glu Gly Arg			
1	5	10	15
Ala Cys Trp Ser Leu Gly Asn Ala Tyr Val Ser Met Gly Arg Pro Ala			
20	25	30	
Gln Ala Leu Thr Phe Ala Lys Lys His Leu Gln Ile Ser Gln Glu Ile			
35	40	45	
Gly Asp Arg His Gly Glu Leu Thr Ala Arg Met Asn Val Ala Gln Leu			

50	55	60
Gln Leu Val Leu Gly Arg Leu Thr Ser Pro Ala Ala Ser Glu Lys Pro		
65	70	75
Asp Leu Ala Gly Tyr Glu Ala Gln Gly Ala Arg Pro Lys Arg Thr Gln		80
85	90	95
Arg Leu Ser Ala Glu Thr Trp Asp Leu Leu Arg Leu Pro Leu Glu Arg		
100	105	110
Glu Gln Asn Gly Asp Ser His His Ser Gly Asp Trp Arg Gly Pro Ser		
115	120	125
Arg Asp Ser Leu Pro Leu Pro Val Arg Ser Arg Lys Tyr Gln Glu Gly		
130	135	140
Pro Asp Ala Glu Arg Arg Pro Arg Glu Gly Ser His Ser Pro Leu Asp		
145	150	155
Ser Ala Asp Val Arg Val His Val Pro Arg Thr Ser Ile Pro Arg Ala		160
165	170	175
Pro Ser Ser Asp Glu Glu Cys Phe Phe Asp Leu Leu Thr Lys Phe Gln		
180	185	190
Ser Ser Arg Met Asp Asp Gln Arg Cys Pro Leu Asp Asp Gly Gln Ala		
195	200	205
Gly Ala Ala Glu Ala Thr Ala Ala Pro Thr Leu Glu Asp Arg Ile Ala		
210	215	220
Gln Pro Ser Met Thr Ala Ser Pro Gln Thr Glu Glu Phe Phe Asp Leu		
225	230	235
Ile Ala Ser Ser Gln Ser Arg Arg Leu Asp Asp Gln Arg Ala Ser Val		240
245	250	255
Gly Ser Leu Pro Gly Leu Arg Ile Thr His Ser Asn Ala Gly His Leu		
260	265	270
Arg Gly His Gly Glu Pro Gln Glu Pro Gly Asp Asp Phe Phe Asn Met		
275	280	285
Leu Ile Lys Tyr Gln Ser Ser Arg Ile Asp Asp Gln Arg Cys Pro Pro		
290	295	300
Pro Asp Val Leu Pro Arg Gly Pro Thr Met Pro Asp Glu Asp Phe Phe		
305	310	315
Ser Leu Ile Gln Arg Val Gln Ala Lys Arg Met Asp Glu Gln Arg Val		320
325	330	335
Asp Leu Ala Gly Gly Pro Gly Ala Gly Arg Arg Pro Ala Arg Ala		
340	345	350
Pro Ala Ala Val Pro Ala Trp Cys Glu Leu Arg Pro Cys Ala His Arg		
355	360	365
Gln Ala His Pro Ala Pro Thr Pro Gly Arg Arg Ser His Ser His Ser		
370	375	380
His Val Leu Pro Arg Pro Leu Pro Arg Thr Gly Thr Gly His Ala Ala		
385	390	395
Pro Arg Pro Pro Arg Pro Arg Ala Thr Gly Ser Gly Gln Ala Ala Arg		400
405	410	415
Gly Gly Arg Ala Cys Phe His Pro Gly Leu Ala Pro Met Ala Leu Ser		
420	425	430
Phe Leu Pro Ser Ala Pro Ala Ala Gly Arg Thr Gly Pro Ser Ala Cys		
435	440	445
Arg Pro Arg Pro Gly Ala Val Arg Leu Pro His Pro Leu Pro Gln Ala		
450	455	460
Leu Pro Val Leu Pro Cys Pro Ala Lys Cys Glu Thr Leu Leu Ser Pro		
465	470	475
Ser Pro Ser Pro Lys Val Ser Leu Ser Arg Leu Leu Gly Pro Pro Arg		480
485	490	495
Thr Gly Pro Cys Ser Val Pro Pro Glu Leu Val Leu Gly Trp Pro Cys		
500	505	510
Asp Arg His Ala Pro Pro Leu Gln Leu Arg Pro Gly Ala Gly Leu Pro		
515	520	525
Pro Ser Leu Ser Pro His Ser Pro Ala Arg Gly Gln Gln Pro Gln Lys		
530	535	540
Ala Pro Gln Thr Thr His Gly Arg Pro Gly Cys Ser Gly Ser Pro Glu		
545	550	555
Val Pro Pro Ala Glu Ser Gln Gly Pro Ala Gly Ala Ser Thr Gly Ala		560

565	570	575
Gly Pro Ile Ser Lys Ala Glu Gly Met Ala Gly His Glu Leu Arg His		
580	585	590
Ser Lys Thr Pro Ser Gln Glu Lys Gly Gln Gly Leu Val Leu Gly Met		
595	600	605
Leu Thr Gly Ser Lys Ser Ser Ala Gln Ser Gly Trp Glu Val Ala Pro		
610	615	620
Gly Ser Val Thr Leu Thr Gln Val Gly Gly Trp Ser Val Glu Ala Gly		
625	630	635
Glu Ala Ser Leu Ser Ser Thr Leu Gln Thr Pro His Met Arg Thr Pro		
645	650	655
Leu Leu Pro Pro Ala Gly Gly Asp Asp Ile Thr Ala Leu Ser Met Gly		
660	665	670
Arg Gly Leu Thr Gly His Gln Val Arg Asp Pro Arg Thr Gly Arg Thr		
675	680	685
Cys Trp Ser Leu Arg Trp Ala Pro Gly Ala		
690	695	698

<210> 1231
 <211> 131
 <212>Amino acid
 <213> Homo sapiens

<400> 1231		
Asn Ser Ala Ala Asp Leu Ala Ile Phe Ala Leu Trp Gly Leu Lys Pro		
1	5	10
Val Val Tyr Leu Leu Ala Ser Ser Phe Leu Gly Leu Gly Leu His Pro		
20	25	30
Ile Ser Gly His Phe Val Ala Glu His Tyr Met Phe Leu Lys Gly His		
35	40	45
Glu Thr Tyr Ser Tyr Tyr Gly Pro Leu Asn Trp Ile Thr Phe Asn Val		
50	55	60
Gly Tyr His Val Glu His His Asp Phe Pro Ser Ile Pro Gly Tyr Asn		
65	70	75
Leu Pro Leu Val Arg Lys Ile Ala Pro Glu Tyr Tyr Asp His Leu Pro		
85	90	95
Gln His His Ser Trp Val Lys Val Leu Trp Asp Phe Val Phe Glu Asp		
100	105	110
Ser Leu Gly Pro Tyr Ala Arg Val Lys Arg Val Tyr Arg Leu Ala Lys		
115	120	125
Asp Gly Leu		
130	131	

<210> 1232
 <211> 71
 <212>Amino acid
 <213> Homo sapiens

<400> 1232		
Gln Glu Ser Gly Phe Ser Cys Lys Gly Pro Gly Gln Asn Val Ala Val		
1	5	10
Thr Arg Ala His Pro Asp Ser Gln Gly Arg Arg Arg Arg Pro Glu Arg		
20	25	30
Gly Ala Arg Gly Gly Gln Val Phe Tyr Asn Ser Glu Tyr Gly Glu Leu		

35	40	45													
Ser	Glu	Pro	Ser	Glu	Glu	Asp	His	Cys	Ser	Pro	Ser	Ala	Arg	Val	Thr
50															
Phe	Phe	Thr	Asp	Asn	Ser	Tyr									
65							70	71							

<210> 1233
<211> 146
<212>Amino acid
<213> Homo sapiens

<400> 1233

Val	Ile	Val	His	Ala	Arg	Pro	Ile	Arg	Thr	Arg	Ala	Ser	Lys	Tyr	Tyr
1							5		10				15		
Ile	Pro	Glu	Ala	Val	Tyr	Gly	Leu	Pro	Ala	Tyr	Pro	Ala	Tyr	Ala	Gly
							20		25				30		
Gly	Gly	Gly	Phe	Val	Leu	Ser	Gly	Ala	Thr	Leu	His	Arg	Leu	Ala	Gly
							35		40				45		
Ala	Cys	Ala	Gln	Val	Glu	Leu	Phe	Pro	Ile	Asp	Asp	Val	Phe	Leu	Gly
							50		55				60		
Met	Cys	Leu	Gln	Arg	Leu	Arg	Leu	Thr	Pro	Glu	Pro	His	Pro	Ala	Phe
							65		70				75		80
Arg	Thr	Phe	Gly	Ile	Pro	Gln	Pro	Ser	Ala	Ala	Pro	His	Leu	Ser	Thr
							85		90				95		
Phe	Asp	Pro	Cys	Phe	Tyr	Arg	Glu	Leu	Val	Val	Val	His	Gly	Leu	Ser
							100		105				110		
Ala	Ala	Asp	Ile	Trp	Leu	Met	Trp	Arg	Leu	Leu	His	Gly	Pro	His	Gly
							115		120				125		
Pro	Ala	Cys	Ala	His	Pro	Gln	Pro	Val	Ala	Ala	Gly	Pro	Phe	Gln	Trp
							130		135				140		
Asp	Ser														
145	146														

<210> 1234
<211> 299
<212>Amino acid
<213> Homo sapiens

<400> 1234

Met	Ala	Ser	Ala	Ala	Cys	Ser	Met	Asp	Pro	Ile	Asp	Ser	Phe	Glu	Leu
1							5			10				15	
Leu	Asp	Leu	Leu	Phe	Asp	Arg	Gln	Asp	Gly	Ile	Leu	Arg	His	Val	Glu
							20		25				30		
Leu	Gly	Glu	Gly	Trp	Gly	His	Val	Lys	Asp	Gln	Val	Leu	Pro	Asn	Pro
							35		40				45		
Asp	Ser	Asp	Asp	Phe	Leu	Ser	Ser	Ile	Leu	Gly	Ser	Gly	Asp	Ser	Leu
							50		55				60		
Pro	Ser	Ser	Pro	Leu	Trp	Ser	Pro	Glu	Gly	Ser	Asp	Ser	Gly	Ile	Ser
							65		70				75		80
Glu	Asp	Leu	Pro	Ser	Asp	Pro	Gln	Asp	Thr	Pro	Pro	Arg	Ser	Gly	Pro
							85		90				95		
Ala	Thr	Ser	Pro	Ala	Gly	Cys	His	Pro	Ala	Gln	Pro	Gly	Lys	Gly	Pro
							100		105				110		
Cys	Leu	Ser	Tyr	His	Pro	Gly	Asn	Ser	Cys	Ser	Thr	Thr	Thr	Pro	Gly

115	120	125
Pro Val Ile Gln Gln Gln His His Leu Gly Ala Ser Tyr Leu Leu Arg		
130	135	140
Pro Gly Ala Gly His Cys Gln Glu Leu Val Leu Thr Glu Asp Glu Lys		
145	150	155
Lys Leu Leu Ala Lys Glu Gly Ile Thr Leu Pro Thr Gln Leu Pro Leu		
165	170	175
Thr Lys Tyr Glu Glu Arg Val Leu Lys Lys Ile Arg Arg Lys Ile Arg		
180	185	190
Asn Lys Gln Ser Ala Gln Glu Ser Arg Lys Lys Lys Lys Glu Tyr Ile		
195	200	205
Asp Gly Leu Glu Thr Arg Ser Cys Cys Pro Leu Pro Ser Ser Ser		
210	215	220
Ser Pro Pro Ser Ala Leu Leu Ala Pro Thr Lys Pro Arg Ala Leu Gly		
225	230	235
Thr Leu Arg Leu Tyr Glu Cys Ser Pro Glu Leu Cys Thr Thr Met Leu		
245	250	255
Pro Pro Ala Trp Leu Leu Met Leu Cys Gln Ala Pro Arg Pro Gln Asp		
260	265	270
Pro Asp Pro Arg Leu Thr Gln Pro Glu Lys Ser Leu Gln Glu Ala Pro		
275	280	285
Gly Gln Thr Gly Ala Ser Arg Thr Pro Arg Thr		
290	295	299

<210> 1235
 <211> 1098
 <212>Amino acid
 <213> Homo sapiens

<400> 1235		
Ala Arg Gly Arg Arg Ser Arg Pro Val Trp Ala Ala Ser Trp Gly Gly		
1	5	10
Arg Gly Arg Pro Ala Ala Arg Arg Arg Pro Arg Gly Leu Ala Ala Thr		
20	25	30
Met Gly Phe Glu Leu Asp Arg Phe Asp Gly Asp Val Asp Pro Asp Leu		
35	40	45
Lys Cys Ala Leu Cys His Lys Val Leu Glu Asp Pro Leu Thr Thr Pro		
50	55	60
Cys Gly His Val Phe Cys Ala Gly Cys Val Leu Pro Trp Val Val Gln		
65	70	75
Glu Gly Ser Cys Pro Ala Arg Cys Arg Gly Arg Leu Ser Ala Lys Glu		
85	90	95
Leu Asn His Val Leu Pro Leu Lys Arg Leu Ile Leu Lys Leu Asp Ile		
100	105	110
Lys Cys Ala Tyr Ala Thr Arg Gly Cys Gly Arg Val Val Lys Leu Gln		
115	120	125
Gln Leu Pro Glu His Leu Glu Arg Cys Asp Phe Ala Pro Ala Arg Cys		
130	135	140
Arg His Ala Gly Cys Gly Gln Val Leu Leu Arg Arg Asp Val Glu Ala		
145	150	155
His Met Arg Asp Ala Cys Asp Ala Arg Pro Val Gly Arg Cys Gln Glu		
165	170	175
Gly Cys Gly Leu Pro Leu Thr His Gly Glu Gln Arg Ala Gly Gly His		
180	185	190
Cys Cys Ala Arg Ala Leu Arg Ala His Asn Gly Ala Leu Gln Ala Arg		
195	200	205
Leu Gly Ala Leu His Lys Ala Leu Lys Lys Glu Ala Leu Arg Ala Gly		
210	215	220
Lys Arg Glu Lys Ser Leu Val Ala Gln Leu Ala Ala Gln Leu Glu		

225 230 235 240
 Leu Gln Met Thr Ala Leu Arg Tyr Gln Lys Lys Phe Thr Glu Tyr Ser
 245 250 255
 Ala Arg Leu Asp Ser Leu Ser Arg Cys Val Ala Ala Pro Pro Gly Gly
 260 265 270
 Lys Gly Glu Glu Thr Lys Ser Leu Thr Leu Val Leu His Arg Asp Ser
 275 280 285
 Gly Ser Leu Gly Phe Asn Ile Ile Gly Gly Arg Pro Ser Val Asp Asn
 290 295 300
 His Asp Gly Ser Ser Ser Glu Gly Ile Phe Val Ser Lys Ile Val Asp
 305 310 315 320
 Ser Gly Pro Ala Ala Lys Glu Gly Gly Leu Gln Ile His Asp Arg Ile
 325 330 335
 Ile Glu Val Asn Gly Arg Asp Leu Ser Arg Ala Thr His Asp Gln Ala
 340 345 350
 Val Glu Ala Phe Lys Thr Ala Lys Glu Pro Ile Val Val Gln Val Leu
 355 360 365
 Arg Arg Thr Pro Arg Thr Lys Met Phe Thr Pro Pro Ser Glu Ser Gln
 370 375 380
 Leu Val Asp Thr Gly Thr Gln Thr Asp Ile Thr Phe Glu His Ile Met
 385 390 395 400
 Ala Leu Thr Lys Met Ser Ser Pro Ser Pro Pro Val Leu Asp Pro Tyr
 405 410 415
 Leu Leu Pro Glu Glu His Pro Ser Ala His Glu Tyr Tyr Asp Pro Asn
 420 425 430
 Asp Tyr Ile Gly Asp Ile His Gln Glu Met Asp Arg Glu Glu Leu Glu
 435 440 445
 Leu Glu Glu Val Asp Leu Tyr Arg Met Asn Ser Gln Asp Lys Leu Gly
 450 455 460
 Leu Thr Val Cys Tyr Arg Thr Asp Asp Glu Asp Asp Ile Gly Ile Tyr
 465 470 475 480
 Ile Ser Glu Ile Asp Pro Asn Ser Ile Ala Ala Lys Asp Gly Arg Ile
 485 490 495
 Arg Glu Gly Asp Arg Ile Ile Gln Ile Asn Gly Ile Glu Val Gln Asn
 500 505 510
 Arg Glu Glu Ala Val Ala Leu Leu Thr Ser Glu Glu Asn Lys Asn Phe
 515 520 525
 Ser Leu Leu Ile Ala Arg Ala Glu Leu Gln Leu Asp Glu Gly Trp Met
 530 535 540
 Asp Asp Asp Arg Asn Asp Phe Leu Asp Asp Leu His Met Asp Met Leu
 545 550 555 560
 Glu Glu Gln His His Gln Ala Met Gln Phe Thr Ala Ser Val Leu Gln
 565 570 575
 Gln Lys Lys His Asp Glu Asp Gly Gly Thr Thr Asp Thr Ala Thr Ile
 580 585 590
 Leu Ser Asn Gln His Glu Lys Asp Ser Gly Val Gly Arg Thr Asp Glu
 595 600 605
 Ser Thr Arg Asn Asp Glu Ser Ser Glu Gln Glu Asn Asn Gly Asp Asp
 610 615 620
 Ala Thr Ala Ser Ser Asn Pro Leu Ala Gly Gln Arg Lys Leu Thr Cys
 625 630 635 640
 Ser Gln Asp Thr Leu Gly Ser Gly Asp Leu Pro Phe Ser Asn Lys Ser
 645 650 655
 Phe Ile Ser Pro Glu Cys Thr Gly Ala Ala Tyr Leu Gly Ile Pro Val
 660 665 670
 Asp Glu Cys Glu Arg Phe Arg Glu Leu Leu Glu Leu Lys Cys Gln Val
 675 680 685
 Lys Ser Ala Thr Pro Tyr Gly Leu Tyr Tyr Pro Ser Gly Pro Leu Asp
 690 695 700
 Ala Gly Lys Ser Asp Pro Glu Ser Val Asp Lys Glu Leu Glu Leu Leu
 705 710 715 720
 Asn Glu Glu Leu Arg Ser Ile Glu Leu Glu Cys Leu Ser Ile Val Arg
 725 730 735
 Ala His Lys Met Gln Gln Leu Lys Glu Gln Tyr Arg Glu Ser Trp Met

740	745	750
Leu His Asn Ser Gly Phe Arg Asn Tyr Asn Thr Ser Ile Asp Val Arg		
755	760	765
Arg His Glu Leu Ser Asp Ile Thr Glu Leu Pro Glu Lys Ser Asp Lys		
770	775	780
Asp Ser Ser Ser Ala Tyr Asn Thr Gly Glu Ser Cys Arg Ser Thr Pro		
785	790	795
Leu Thr Leu Glu Ile Ser Pro Asp Asn Ser Leu Arg Arg Ala Ala Glu		
805	810	815
Gly Ile Ser Cys Pro Ser Ser Glu Gly Ala Val Gly Thr Thr Glu Ala		
820	825	830
Tyr Gly Pro Ala Ser Lys Asn Leu Leu Ser Ile Thr Glu Asp Pro Glu		
835	840	845
Val Gly Thr Pro Thr Tyr Ser Pro Ser Leu Lys Glu Leu Asp Pro Asn		
850	855	860
Gln Pro Leu Glu Ser Lys Glu Arg Arg Ala Ser Asp Gly Ser Arg Ser		
865	870	875
Pro Thr Pro Ser Gln Lys Leu Gly Ser Ala Tyr Leu Pro Ser Tyr His		
885	890	895
His Ser Pro Tyr Lys His Ala His Ile Pro Ala His Ala Gln His Tyr		
900	905	910
Gln Ser Tyr Met Gln Leu Ile Gln Gln Lys Ser Ala Val Glu Tyr Ala		
915	920	925
Gln Ser Gln Met Ser Leu Val Ser Met Cys Lys Asp Leu Ser Ser Pro		
930	935	940
Thr Pro Ser Glu Pro Arg Met Glu Trp Lys Val Lys Ile Arg Ser Asp		
945	950	955
Gly Thr Arg Tyr Ile Thr Lys Arg Pro Val Arg Asp Arg Leu Leu Arg		
965	970	975
Glu Arg Ala Leu Lys Ile Arg Glu Glu Arg Ser Gly Met Thr Thr Asp		
980	985	990
Asp Asp Ala Val Ser Glu Met Lys Met Gly Arg Tyr Trp Ser Lys Glu		
995	1000	1005
Glu Arg Lys Gln His Leu Val Lys Ala Lys Glu Gln Arg Arg Arg Arg		
1010	1015	1020
Glu Phe Met Met Gln Ser Arg Leu Asp Cys Leu Lys Glu Gln Gln Ala		
1025	1030	1035
Ala Asp Asp Arg Lys Glu Met Asn Ile Leu Glu Leu Ser His Lys Lys		
1045	1050	1055
Met Met Lys Arg Asn Lys Lys Ile Phe Asp Asn Trp Met Thr Ile		
1060	1065	1070
Gln Glu Leu Leu Thr His Gly Thr Lys Ser Pro Asp Gly Thr Arg Val		
1075	1080	1085
Tyr Asn Ser Phe Leu Ser Val Thr Thr Val		
1090	1095	1098

<210> 1236

<211> 51

<212>Amino acid

<213> Homo sapiens

<400> 1236

Phe Phe Phe Leu Val Glu Met Gly Phe Cys His Val Gly Gln Gly Gly		
1	5	10
Leu Thr Leu Ile Gly Ser Ser Asn Leu Pro Ala Ser Ala Ser Lys Ser		
20	25	30
Ala Gly Ile Thr Gly Val Ser His Cys Ala Arg Pro Asp Phe Lys Ser		
35	40	45
Cys Val Glu		

50 51

<210> 1237
<211> 70
<212>Amino acid
<213> Homo sapiens

<400> 1237
Leu Ala Gly Arg Lys Val Leu Leu Phe Val Ser Gly Tyr Val Val Gly
1 5 10 15
Trp Gly Pro Ile Thr Trp Leu Leu Met Ser Glu Val Leu Pro Leu Arg
20 25 30
Ala Arg Gly Val Ala Ser Gly Leu Cys Val Leu Ala Ser Trp Leu Thr
35 40 45
Ala Phe Val Leu Thr Lys Ser Phe Leu Pro Gly Gly Val Ser Val Gln
50 55 60
Pro Gln Ala Pro Gly Pro
65 70

<210> 1238
<211> 114
<212>Amino acid
<213> Homo sapiens

<400> 1238
Phe Trp Ala Pro Gly Pro Pro Gly Val Gly Ala Ala Val Gly Asp Ala
1 5 10 15
Ser Thr Arg Ser Leu Arg Glu Ser Cys Pro Ser Pro Ser Pro Gly Arg
20 25 30
Leu Arg Arg Thr Thr Ala Pro Trp Ser Ser Gln Ala Arg Ala Ala Ala
35 40 45
Pro Ala Pro Ser Ser Ser Cys Arg Gly Pro Asp Gly Ala Ser Ser Pro
50 55 60
Arg Asp Leu Pro Trp Arg Pro Trp Lys Ile Leu Arg Arg Thr Pro Leu
65 70 75 80
Ser Gly Asp Val Glu Leu Ser Gln Val His Pro Asp Gln Arg Ile Leu
85 90 95
Arg Arg Phe Ile Leu Ser Arg Thr Cys Gly Asn Thr Ile Pro Gly Met
100 105 110
Ala Glu
114

<210> 1239
<211> 174
<212>Amino acid
<213> Homo sapiens

<400> 1239
Met Arg Arg Phe Leu Ser Lys Val Tyr Ser Phe Pro Met Arg Lys Leu

1	5	10	15												
Ile	Leu	Phe	Leu	Val	Phe	Pro	Val	Val	Arg	Gln	Thr	Pro	Thr	Gln	His
20	25	30													
Phe	Lys	Asn	Gln	Phe	Pro	Ala	Leu	His	Trp	Glu	His	Glu	Leu	Gly	Leu
35	40	45													
Ala	Phe	Thr	Lys	Asn	Arg	Met	Asn	Tyr	Thr	Asn	Lys	Phe	Leu	Leu	Ile
50	55	60													
Pro	Glu	Ser	Gly	Asp	Tyr	Phe	Ile	Tyr	Ser	Gln	Val	Thr	Phe	Arg	Gly
65	70	75	80												
Met	Thr	Ser	Glu	Cys	Ser	Glu	Ile	Arg	Gln	Ala	Gly	Arg	Pro	Asn	Lys
85	90	95													
Pro	Asp	Ser	Ile	Thr	Val	Val	Ile	Thr	Lys	Val	Thr	Asp	Ser	Tyr	Pro
100	105	110													
Glu	Pro	Thr	Gln	Leu	Leu	Met	Gly	Thr	Lys	Ser	Val	Cys	Glu	Val	Gly
115	120	125													
Ser	Asn	Trp	Phe	Gln	Pro	Ile	Tyr	Leu	Gly	Ala	Met	Phe	Ser	Leu	Gln
130	135	140													
Glu	Gly	Asp	Lys	Leu	Met	Val	Asn	Val	Ser	Asp	Ile	Ser	Leu	Val	Asp
145	150	155	160												
Tyr	Thr	Lys	Glu	Asp	Lys	Thr	Phe	Phe	Gly	Ala	Phe	Leu	Leu		
165	170	174													

<210> 1240
 <211> 425
 <212>Amino acid
 <213> Homo sapiens

<400> 1240															
Phe	Val	Trp	Asp	Glu	Val	Ala	Gln	Arg	Ser	Gly	Cys	Glu	Glu	Arg	Trp
1	5	10	15												
Leu	Val	Ile	Asp	Arg	Lys	Val	Tyr	Asn	Ile	Ser	Glu	Phe	Thr	Arg	Arg
20	25	30													
His	Pro	Gly	Gly	Ser	Arg	Val	Ile	Ser	His	Tyr	Ala	Gly	Gln	Asp	Ala
35	40	45													
Thr	Asp	Pro	Phe	Val	Ala	Phe	His	Ile	Asn	Lys	Gly	Leu	Val	Lys	Lys
50	55	60													
Tyr	Met	Asn	Ser	Leu	Leu	Ile	Gly	Glu	Leu	Ser	Pro	Glu	Gln	Pro	Ser
65	70	75	80												
Phe	Glu	Pro	Thr	Lys	Asn	Lys	Glu	Leu	Thr	Asp	Glu	Phe	Arg	Glu	Leu
85	90	95													
Arg	Ala	Thr	Val	Glu	Arg	Met	Gly	Leu	Met	Lys	Ala	Asn	His	Val	Phe
100	105	110													
Phe	Leu	Leu	Tyr	Leu	Leu	His	Ile	Leu	Leu	Asp	Gly	Ala	Ala	Trp	
115	120	125													
Leu	Thr	Leu	Trp	Val	Phe	Gly	Thr	Ser	Phe	Leu	Pro	Phe	Leu	Leu	Cys
130	135	140													
Ala	Val	Leu	Leu	Ser	Ala	Val	Gln	Ala	Gln	Ala	Gly	Trp	Leu	Gln	His
145	150	155	160												
Asp	Phe	Gly	His	Leu	Ser	Val	Phe	Ser	Thr	Ser	Lys	Trp	Asn	His	Leu
165	170	175													
Leu	His	His	Phe	Val	Ile	Gly	His	Leu	Lys	Gly	Ala	Pro	Ala	Ser	Trp
180	185	190													
Trp	Asn	His	Met	His	Phe	Gln	His	His	Ala	Lys	Pro	Asn	Cys	Phe	Arg
195	200	205													
Lys	Asp	Pro	Asp	Ile	Asn	Met	His	Pro	Phe	Phe	Ala	Leu	Gly	Lys	
210	215	220													
Ile	Leu	Ser	Val	Glu	Leu	Gly	Lys	Gln	Lys	Lys	Lys	Tyr	Met	Pro	Tyr
225	230	235	240												
Asn	His	Gln	His	Lys	Tyr	Phe	Phe	Ile	Gly	Pro	Pro	Ala	Leu	Leu	

	245	250	255
Pro Leu Tyr Phe Gln Trp Tyr Ile Phe Tyr Phe Val Ile Gln Arg Lys			
260	265	270	
Lys Trp Val Asp Leu Ala Trp Met Ile Thr Phe Tyr Val Arg Phe Phe			
275	280	285	
Leu Thr Tyr Val Pro Leu Leu Gly Leu Lys Ala Phe Leu Gly Leu Phe			
290	295	300	
Phe Ile Val Arg Phe Leu Glu Ser Asn Trp Phe Val Trp Val Thr Gln			
305	310	315	320
Met Asn His Ile Pro Met His Ile Asp His Asp Arg Asn Met Asp Trp			
325	330	335	
Val Ser Thr Gln Leu Gln Ala Thr Cys Asn Val His Lys Ser Ala Phe			
340	345	350	
Asn Asp Trp Phe Ser Gly His Leu Asn Phe Gln Ile Glu His His Leu			
355	360	365	
Phe Pro Thr Met Pro Arg His Asn Tyr His Lys Val Ala Pro Leu Val			
370	375	380	
Gln Ser Leu Cys Ala Lys His Gly Ile Glu Tyr Gln Ser Lys Pro Leu			
385	390	395	400
Leu Ser Ala Phe Ala Asp Ile Ile His Ser Leu Lys Glu Ser Gly Gln			
405	410	415	
Leu Trp Leu Asp Ala Tyr Leu His Gln			
420	425		

<210> 1241
 <211> 152
 <212>Amino acid
 <213> Homo sapiens

	<400> 1241		
Gln Cys Gly Gly Ile Pro Tyr Asn Thr Thr Gln Phe Leu Met Asn Asp			
1	5	10	15
Arg Asp Pro Glu Glu Pro Asn Leu Asp Val Pro His Gly Ile Ser His			
20	25	30	
Pro Gly Ser Ser Gly Glu Ser Glu Ala Gly Asp Ser Asp Gly Arg Gly			
35	40	45	
Arg Ala His Gly Glu Phe Gln Arg Lys Asp Phe Ser Glu Thr Tyr Glu			
50	55	60	
Arg Phe His Thr Glu Ser Leu Gln Gly Arg Ser Lys Gln Glu Leu Val			
65	70	75	80
Arg Asp Tyr Leu Glu Leu Glu Lys Arg Leu Ser Gln Ala Glu Glu Glu			
85	90	95	
Thr Arg Arg Leu Gln Gln Leu Gln Ala Cys Thr Gly Gln Gln Ser Cys			
100	105	110	
Arg Gln Val Glu Glu Leu Ala Ala Glu Val Gln Arg Leu Arg Thr Glu			
115	120	125	
Asn Gln Arg Leu Arg Gln Glu Asn Gln Met Trp Asn Arg Glu Gly Cys			
130	135	140	
Arg Cys Asp Glu Glu Pro Gly Thr			
145	150	152	

<210> 1242
 <211> 191
 <212>Amino acid
 <213> Homo sapiens

<400> 1242

Ser	Pro	Glu	Arg	Ser	Ser	Leu	Ser	Val	Gly	Arg	Glu	Lys	Ala	Met	Glu
1						5			10					15	
Val	Pro	Pro	Pro	Ala	Pro	Arg	Ser	Phe	Leu	Cys	Arg	Ala	Leu	Cys	Leu
						20			25				30		
Phe	Pro	Arg	Val	Phe	Ala	Ala	Glu	Ala	Val	Thr	Ala	Asp	Ser	Glu	Val
						35			40			45			
Leu	Glu	Glu	Arg	Gln	Lys	Arg	Leu	Pro	Tyr	Val	Pro	Glu	Pro	Tyr	Tyr
						50			55			60			
Pro	Glu	Ser	Gly	Trp	Asp	Arg	Leu	Arg	Glu	Leu	Phe	Gly	Lys	Asp	Val
						65			70			75			80
Thr	Gly	Ser	Leu	Phe	Arg	Ile	Asn	Val	Gly	Leu	Arg	Gly	Leu	Val	Ala
						85			90			95			
Gly	Gly	Ile	Ile	Gly	Ala	Leu	Leu	Gly	Thr	Pro	Val	Gly	Gly	Leu	Leu
						100			105			110			
Met	Ala	Phe	Gln	Lys	Tyr	Ser	Gly	Glu	Thr	Val	Gln	Glu	Arg	Lys	Gln
						115			120			125			
Lys	Asp	Arg	Lys	Ala	Leu	His	Glu	Leu	Lys	Leu	Glu	Glu	Trp	Lys	Gly
						130			135			140			
Arg	Leu	Gln	Val	Thr	Glu	His	Leu	Pro	Glu	Lys	Ile	Glu	Ser	Ser	Leu
						145			150			155			160
Gln	Glu	Asp	Glu	Pro	Glu	Asn	Asp	Ala	Lys	Lys	Ile	Glu	Ala	Leu	Leu
						165			170			175			
Asn	Leu	Pro	Arg	Asn	Pro	Ser	Val	Ile	Asp	Lys	Gln	Asp	Lys	Asp	
						180			185			190	191		

<210> 1243

<211> 381
<212>Amino acid
<213> Homo sapiens

<400> 1243

Arg	Ser	Leu	Gly	Leu	Ala	Val	Thr	Glu	Met	Val	Pro	Trp	Val	Arg	Thr
1						5			10			15			
Met	Gly	Gln	Lys	Leu	Lys	Gln	Arg	Leu	Arg	Leu	Asp	Val	Gly	Arg	Glu
						20			25			30			
Ile	Cys	Arg	Gln	Tyr	Pro	Leu	Phe	Cys	Phe	Leu	Leu	Cys	Leu	Ser	
						35			40			45			
Ala	Ala	Ser	Leu	Leu	Leu	Asn	Arg	Tyr	Ile	His	Ile	Leu	Met	Ile	Phe
						50			55			60			
Trp	Ser	Phe	Val	Ala	Gly	Val	Val	Thr	Phe	Tyr	Cys	Ser	Leu	Gly	Pro
						65			70			75			80
Asp	Ser	Leu	Leu	Pro	Asn	Ile	Phe	Phe	Thr	Ile	Lys	Tyr	Lys	Pro	Lys
						85			90			95			
Gln	Leu	Gly	Leu	Gln	Glu	Leu	Phe	Pro	Gln	Gly	His	Ser	Cys	Ala	Val
						100			105			110			
Cys	Gly	Lys	Val	Lys	Cys	Lys	Arg	His	Arg	Pro	Ser	Leu	Leu	Glu	
						115			120			125			
Asn	Tyr	Gln	Pro	Trp	Leu	Asp	Leu	Lys	Ile	Ser	Ser	Lys	Val	Asp	Ala
						130			135			140			
Ser	Leu	Ser	Glu	Val	Leu	Glu	Leu	Val	Leu	Glu	Asn	Phe	Val	Tyr	Pro
						145			150			155			160
Trp	Tyr	Arg	Asp	Val	Thr	Asp	Asp	Glu	Ser	Phe	Val	Asp	Glu	Leu	Arg
						165			170			175			
Ile	Thr	Leu	Arg	Phe	Phe	Ala	Ser	Val	Leu	Ile	Arg	Arg	Ile	His	Lys
						180			185			190			
Val	Asp	Ile	Pro	Ser	Ile	Ile	Thr	Lys	Lys	Leu	Leu	Lys	Ala	Ala	Met

195	200	205
Lys His Ile Glu Val Ile Val Lys Ala Arg Gln Lys Val Lys Asn Thr		
210	215	220
Glu Phe Leu Gln Gln Ala Ala Leu Glu Glu Tyr Gly Pro Glu Leu His		
225	230	235
Val Ala Leu Arg Ser Arg Arg Asp Glu Leu His Tyr Leu Arg Lys Leu		
245	250	255
Thr Glu Leu Leu Phe Pro Tyr Ile Leu Pro Pro Lys Ala Thr Asp Cys		
260	265	270
Arg Ser Leu Thr Leu Leu Ile Arg Glu Ile Leu Ser Gly Ser Val Phe		
275	280	285
Leu Pro Ser Leu Asp Phe Leu Ala Asp Pro Asp Thr Val Asn His Leu		
290	295	300
Leu Ile Ile Phe Ile Asp Asp Ser Pro Pro Glu Lys Ala Thr Glu Pro		
305	310	315
Ala Ser Pro Leu Val Pro Phe Leu Gln Lys Phe Ala Glu Pro Arg Asn		
325	330	335
Lys Lys Pro Ser Val Leu Lys Leu Glu Leu Lys Gln Ile Arg Glu Gln		
340	345	350
Gln Asp Leu Leu Phe Arg Phe Met Asn Phe Leu Lys Gln Glu Gly Ala		
355	360	365
Val His Val Leu His Val Leu Phe Asp Cys Gly Gly Ile		
370	375	380 381

<210> 1244
<211> 371
<212>Amino acid
<213> Homo sapiens

<400> 1244			
Gln Ser Leu Ala Glu Val Leu Gln Gln Leu Gly Ala Ser Ser Glu Leu			
1	5	10	15
Gln Ala Val Leu Ser Tyr Ile Phe Pro Thr Tyr Gly Val Thr Pro Asn			
20	25	30	
His Ser Ala Phe Ser Met His Ala Leu Leu Val Asn His Tyr Met Lys			
35	40	45	
Gly Gly Phe Tyr Pro Arg Gly Val Thr Ser Glu Ile Ala Phe His Thr			
50	55	60	
Ile Pro Val Ile Gln Arg Ala Gly Gly Ala Val Leu Thr Lys Ala Thr			
65	70	75	80
Val Gln Ser Val Leu Leu Asp Ser Ala Gly Lys Ala Cys Gly Val Ser			
85	90	95	
Val Lys Lys Gly His Glu Leu Val Asn Ile Tyr Cys Pro Ile Val Val			
100	105	110	
Ser Asn Ala Gly Leu Phe Asn Thr Tyr Glu His Leu Leu Pro Gly Asn			
115	120	125	
Ala Arg Cys Leu Pro Gly Val Lys Gln Gln Leu Gly Thr Val Arg Pro			
130	135	140	
Gly Leu Gly Met Thr Ser Val Phe Ile Cys Leu Arg Gly Thr Lys Glu			
145	150	155	160
Asp Leu His Leu Pro Ser Thr Asn Tyr Tyr Val Tyr Tyr Asp Thr Asp			
165	170	175	
Met Asp Gln Ala Met Glu Arg Tyr Val Ser Met Pro Arg Glu Glu Ala			
180	185	190	
Ala Glu His Ile Pro Leu Leu Phe Phe Ala Phe Pro Ser Ala Lys Asp			
195	200	205	
Pro Thr Trp Glu Asp Arg Phe Pro Gly Arg Ser Thr Met Ile Met Leu			
210	215	220	
Ile Pro Thr Ala Tyr Glu Trp Phe Glu Trp Gln Ala Glu Leu Lys			

225	230	235	240
Gly Lys Arg Gly Ser Asp Tyr Glu Thr Phe Lys Asn Ser Phe Val Glu			
245	250	255	
Ala Ser Met Ser Val Val Leu Lys Leu Phe Pro Gln Leu Glu Gly Lys			
260	265	270	
Val Glu Ser Val Thr Ala Gly Ser Pro Leu Thr Asn Gln Phe Tyr Leu			
275	280	285	
Ala Ala Pro Arg Gly Ala Cys Tyr Gly Ala Asp His Asp Leu Gly Arg			
290	295	300	
Leu His Pro Cys Val Met Ala Ser Leu Arg Ala Gln Ser Pro Ile Pro			
305	310	315	320
Asn Leu Tyr Leu Thr Gly Gln Asp Ile Phe Thr Cys Gly Leu Val Gly			
325	330	335	
Ala Leu Gln Gly Ala Leu Leu Cys Ser Ser Thr Ile Leu Lys Arg Asn			
340	345	350	
Leu Tyr Ser Asp Leu Lys Asn Leu Asp Ser Arg Ile Arg Ala Gln Lys			
355	360	365	
Lys Lys Asn			
370	371		

<210> 1245
 <211> 295
 <212>Amino acid
 <213> Homo sapiens

<400> 1245			
Arg Pro Gln Glu Thr Arg Val Leu Gln Val Ser Cys Gly Arg Ala His			
1	5	10	15
Ser Leu Val Leu Thr Asp Arg Glu Gly Val Phe Ser Met Gly Asn Asn			
20	25	30	
Ser Tyr Gly Gln Cys Gly Arg Lys Val Val Glu Asn Glu Ile Tyr Ser			
35	40	45	
Glu Ser His Arg Val His Arg Met Gln Asp Phe Asp Gly Gln Val Val			
50	55	60	
Gln Val Ala Cys Gly Gln Asp His Ser Leu Phe Leu Thr Asp Lys Gly			
65	70	75	80
Glu Val Tyr Ser Cys Gly Trp Gly Ala Asp Gly Gln Thr Gly Leu Gly			
85	90	95	
His Tyr Asn Ile Thr Ser Ser Pro Thr Lys Leu Gly Gly Asp Leu Ala			
100	105	110	
Gly Val Asn Val Ile Gln Val Ala Thr Tyr Gly Asp Cys Cys Leu Ala			
115	120	125	
Val Ser Ala Asp Gly Gly Leu Phe Gly Trp Gly Asn Ser Glu Tyr Leu			
130	135	140	
Gln Leu Ala Ser Val Thr Asp Ser Thr Gln Val Asn Val Pro Arg Cys			
145	150	155	160
Leu His Phe Ser Gly Val Gly Lys Val Arg Gln Ala Ala Cys Gly Gly			
165	170	175	
Thr Gly Cys Ala Val Leu Asn Gly Glu Gly His Val Phe Val Trp Gly			
180	185	190	
Tyr Gly Ile Leu Gly Lys Gly Pro Asn Leu Val Glu Ser Ala Val Pro			
195	200	205	
Glu Met Ile Pro Pro Thr Leu Phe Gly Leu Thr Glu Phe Asn Pro Glu			
210	215	220	
Ile Gln Val Ser Arg Ile Arg Cys Gly Leu Ser His Phe Ala Ala Leu			
225	230	235	240
Thr Asn Lys Gly Glu Leu Phe Val Trp Gly Lys Asn Ile Arg Gly Cys			
245	250	255	
Leu Gly Ile Gly Arg Leu Glu Asp Gln Tyr Phe Pro Trp Arg Val Thr			

	260	265	270
Met Pro Gly Glu Pro Val Asp Val Ala Cys Gly Val Asp His Met Val			
	275	280	285
Thr Leu Ala Lys Ser Phe Ile			
	290	295	

<210> 1246
<211> 172
<212>Amino acid
<213> Homo sapiens

	<400> 1246		
Leu Pro Phe Arg Glu Trp Leu Met Ile Val Val Ser Leu Ser Ala Ala			
1	5	10	15
Ala Val Ala Ala Ala Phe Met Ala Lys Cys Arg Met Val Leu Ser Ser			
20	25	30	
Arg Tyr Phe Cys Ser His Phe Val Met Ser Ala Ser Arg Ala Arg Ile			
35	40	45	
Arg Ser Ser Phe Ser Arg Thr Ser Ser Arg Arg Ala Gly Ala Leu Tyr			
50	55	60	
Ser Gly Met Leu Ala Gly Trp Pro Phe Pro Cys Phe Cys Trp Val Leu			
65	70	75	80
Ser Ala Ser Ser Leu Ser Ser Gln Val Arg Ser Leu Arg Ser Ile			
85	90	95	
Cys Ser Arg Phe Ser His Ala Asp Cys Ser Trp Val Arg Ala Cys Cys			
100	105	110	
Ser Phe Ser Thr Phe Ser Thr Tyr Ala Cys Phe Ser Arg Asn Ser Ser			
115	120	125	
Ser Ser Leu Met Thr Leu Ala Trp Ala Leu Leu Lys Ala Trp Ser Arg			
130	135	140	
Ile Ser Met Cys Leu Arg Trp Ser Ser Leu Ala Val Arg Thr Ala Ala			
145	150	155	160
Asn Ser Ile Ser Asn Phe Ser Phe Ser Phe Lys Asn			
165	170	172	

<210> 1247
<211> 361
<212>Amino acid
<213> Homo sapiens

	<400> 1247		
Met Gln Ala Val Arg Ala Thr Ala Ser Gln Ser Leu Ser Cys Ala Arg			
1	5	10	15
Ala Pro Arg Glu Pro Thr Gln His Ala Leu Arg Ala His Trp Phe Pro			
20	25	30	
Pro Ala Ala Ala Val Gln Pro Ser Pro His Ser Gly Val Ala Ala Ala			
35	40	45	
Ala Gly Thr Trp Ser Ser Ala Phe Arg Gly Glu His Pro Leu Val Ser			
50	55	60	
Ser Gly Leu Leu Leu Gly Val Arg Glu Gln Ser Phe Arg Leu Leu Arg			
65	70	75	80
Ser Lys Ala Gly Thr His Met Tyr Leu Glu His Thr Ser His Cys Pro			
85	90	95	
His His Asp Asp Asp Thr Ala Met Asp Thr Pro Leu Pro Arg Pro Arg			

100	105	110
Pro Leu Leu Ala Val Glu Arg Thr Gly Gln Arg Pro	Leu Trp Ala Pro	
115	120	125
Ser Leu Glu Leu Pro Lys Pro Asp Met Gln Pro	Leu Pro Ala Gly Ala	
130	135	140
Phe Leu Glu Glu Val Ala Glu Gly Thr Pro	Ala Gln Thr Glu Ser	Glu
145	150	155
160	165	170
Pro Lys Val Leu Asp Pro Glu Glu Asp	Leu Leu Cys Ile Ala	Lys Thr
175	180	185
Phe Ser Tyr Leu Arg Glu Ser Gly Trp	Tyr Trp Gly Ser Ile	Thr Ala
190	195	200
Ser Glu Ala Arg Gln His Leu Gln Lys Met Pro	Glu Gly Thr Phe	Leu
205	210	215
Val Arg Asp Ser Thr His Pro Ser Tyr Leu	Phe Thr Leu Ser	Val Lys
220	225	230
Thr Thr Arg Gly Pro Thr Asn Val Arg	Ile Glu Tyr Ala Asp	Ser Ser
235	240	245
Phe Arg Leu Asp Ser Asn Cys Leu Ser Arg	Pro Arg Ile Leu Ala	Phe
255	260	265
Pro Asp Val Val Ser Leu Val Gln His	Tyr Val Ala Ser	Cys Thr Ala
270	275	280
Asp Thr Arg Ser Asp Ser Pro Asp Pro	Ala Pro Thr Pro	Ala Leu Pro
285	290	295
Met Pro Lys Glu Asp Ala Pro Ser Asp Pro	Ala Leu Pro Ala Pro	Pro
300	305	310
Pro Ala Thr Ala Val His Leu Lys Leu Val	Gln Pro Phe Val	Arg Arg
320	325	330
Ser Ser Ala Arg Ser Leu Gln His Leu Cys	Arg Leu Val Ile	Asn Arg
335	340	345
Leu Val Ala Asp Val Asp Cys Leu Pro	Leu Pro Arg Arg	Met Ala Asp
350	355	360
Tyr Leu Arg Gln Tyr Pro Phe Gln Leu		
	361	

<210> 1248
 <211> 279
 <212>Amino acid
 <213> Homo sapiens

<400> 1248
Phe Val Asp Ile Phe Gln Arg Trp Lys Glu Cys Arg Gly Lys Ser Pro
1 5 10 15
Ala Gln Ala Glu Leu Ser Tyr Leu Asn Lys Ala Lys Trp Leu Glu Met
20 25 30
Tyr Gly Val Asp Met His Val Val Arg Gly Arg Asp Gly Cys Glu Tyr
35 40 45
Ser Leu Gly Leu Thr Pro Thr Gly Ile Leu Ile Phe Glu Gly Ala Asn
50 55 60
Lys Ile Gly Leu Phe Phe Trp Pro Lys Ile Thr Lys Met Asp Phe Lys
65 70 75 80
Lys Ser Lys Leu Thr Leu Val Val Glu Asp Asp Asp Gln Gly Arg
85 90 95
Glu Gln Glu His Thr Phe Val Phe Arg Leu Asp Ser Ala Arg Thr Cys
100 105 110
Lys His Leu Trp Lys Cys Ala Val Glu His His Ala Phe Phe Arg Leu
115 120 125
Arg Thr Pro Gly Asn Ser Lys Ser Asn Arg Ser Asp Phe Ile Arg Leu
130 135 140
Gly Ser Arg Phe Arg Phe Ser Gly Arg Thr Glu Tyr Gln Ala Thr His

145	150	155	160
Gly Ser Arg Leu Arg Arg Thr Ser Thr Phe Glu Arg Lys Pro Ser Lys			
165	170	175	
Arg Tyr Pro Ser Arg Arg His Ser Thr Phe Lys Ala Ser Asn Pro Val			
180	185	190	
Ile Ala Ala Gln Leu Cys Ser Lys Thr Asn Pro Glu Val His Asn Tyr			
195	200	205	
Gln Pro Gln Tyr His Pro Asn Ile His Pro Ser Gln Pro Arg Trp His			
210	215	220	
Pro His Ser Pro Asn Val Arg Pro Ser Phe Gln Asp Asp Arg Ser His			
225	230	235	240
Trp Lys Ala Ser Ala Ser Gly Asp Asp Ser His Phe Asp Tyr Val His			
245	250	255	
Asp Gln Asn Gln Lys Asn Leu Gly Gly Met Gln Ser Met Met Tyr Arg			
260	265	270	
Asp Lys Leu Met Thr Ala Leu			
275	279		

<210> 1249

<211> 255

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(255)

<223> X = any amino acid or stop code

<400> 1249

Gly	Gly	Ile	Arg	Leu	Ile	Gln	Lys	Leu	Thr	Trp	Arg	Ser	Arg	Gln	Gln
1				5				10						15	
Asp	Arg	Glu	Asn	Cys	Ala	Met	Lys	Gly	Lys	His	Lys	Asp	Glu	Cys	His
					20			25						30	
Asn	Phe	Ile	Lys	Val	Phe	Val	Pro	Arg	Asn	Asp	Glu	Met	Val	Phe	Val
					35			40						45	
Cys	Gly	Thr	Asn	Ala	Phe	Asn	Pro	Met	Cys	Arg	Tyr	Tyr	Arg	Val	Ser
					50			55						60	
Ile	Phe	Tyr	Val	Ile	Cys	Phe	Phe	Xaa	Ser	Thr	Phe	Leu	Pro	Ser	Leu
					65			70			75			80	
Ile	Cys	Cys	Xaa	Ser	Xaa	Asn	Leu	Ser	Ala	Phe	Gln	Xaa	Phe	Val	Leu
					85			90						95	
Ser	Leu	Val	Gln	Xaa	Lys	Asn	Lys	Asp	Arg	Ile	Leu	Gln	Met	Glu	Phe
					100			105						110	
Xaa	Tyr	Lys	Xaa	Asn	Ser	Ile	Ala	Phe	Lys	Arg	Ala	Arg	Xaa	Ile	Asp
					115			120						125	
Met	Thr	Leu	Ala	Ile	Tyr	Phe	Ser	Phe	Val	Leu	Ser	Thr	Leu	Xaa	Tyr
					130			135						140	
Asp	Gly	Glu	Glu	Ile	Ser	Gly	Leu	Ala	Arg	Cys	Pro	Phe	Asp	Ala	Arg
					145			150						160	
Gln	Thr	Asn	Gly	Ala	Leu	Phe	Ala	Asp	Gly	Lys	Leu	Tyr	Ser	Ala	Thr
					165			170						175	
Val	Ala	Asp	Phe	Leu	Ala	Ser	Asp	Ala	Val	Ile	Tyr	Arg	Ser	Met	Gly
					180			185						190	
Asp	Gly	Ser	Ala	Leu	Arg	Thr	Ile	Lys	Tyr	Asp	Ser	Lys	Trp	Ile	Lys
					195			200						205	
Glu	Pro	His	Phe	Leu	Tyr	Ala	Ile	Lys	Tyr	Gly	Asn	Tyr	Val	Tyr	Phe
					210			215						220	
Ser	Phe	Arg	Glu	Ile	Val	Ala	Thr	Xaa	Xaa	Leu	Gly	Lys	Ala	Val	Asp
					225			230						235	
														240	

Ser Arg Val Ala Arg Tyr Glu Lys Gln Leu Val Gly Pro Thr Val
245 250 255

<210> 1250
<211> 307
<212>Amino acid
<213> Homo sapiens

<400> 1250
 Ala Arg Ala Leu Ala Arg Glu Arg Glu Ser Glu Ser Ala Arg Ala Asp
 1 5 10 15
 Asp Val Thr Leu Gly Val Ser Ala Ile Leu Ala Val Asp Arg Gly Gly
 20 25 30
 Asn Leu Gly Ser Ala Asp Gly Trp Ala Tyr Ile Asp Val Glu Val Arg
 35 40 45
 Arg Pro Trp Ala Phe Val Gly Pro Gly Cys Ser Arg Ser Ser Gly Asn
 50 55 60
 Gly Ser Thr Ala Tyr Gly Leu Val Gly Ser Pro Arg Trp Leu Ser Pro
 65 70 75 80
 Phe His Thr Gly Gly Ala Val Ser Leu Pro Arg Arg Pro Arg Gly Pro
 85 90 95
 Gly Pro Val Leu Gly Val Ala Arg Pro Cys Leu Arg Cys Val Leu Arg
 100 105 110
 Pro Glu His Tyr Glu Pro Gly Ser His Tyr Ser Gly Phe Ala Gly Arg
 115 120 125
 Asp Ala Ser Arg Ala Phe Val Thr Gly Asp Cys Ser Glu Ala Gly Leu
 130 135 140
 Val Asp Asp Val Ser Asp Leu Ser Ala Ala Glu Met Leu Thr Leu His
 145 150 155 160
 Asn Trp Leu Ser Phe Tyr Glu Lys Asn Tyr Val Cys Val Gly Arg Val
 165 170 175
 Thr Gly Arg Phe Tyr Gly Glu Asp Gly Leu Pro Thr Pro Ala Leu Thr
 180 185 190
 Gln Val Glu Ala Ala Ile Thr Arg Gly Leu Glu Ala Asn Lys Leu Gln
 195 200 205
 Leu Gln Glu Lys Gln Thr Phe Pro Pro Cys Asn Ala Glu Trp Ser Ser
 210 215 220
 Ala Arg Gly Ser Arg Leu Trp Cys Ser Gln Lys Ser Gly Gly Val Ser
 225 230 235 240
 Arg Asp Trp Ile Gly Val Pro Arg Lys Leu Tyr Lys Pro Gly Ala Lys
 245 250 255
 Glu Pro Arg Cys Val Cys Val Arg Thr Thr Gly Pro Pro Ser Gly Gln
 260 265 270
 Met Pro Asp Asn Pro Pro His Arg Asn Arg Gly Asp Leu Asp His Pro
 275 280 285
 Asn Leu Ala Glu Tyr Thr Gly Cys Pro Pro Leu Ala Ile Thr Cys Ser
 290 295 300
 Phe Pro Leu
 305 307

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<210> 1251  
<211> 100  
<212>Amino acid  
<213> Homo sapiens
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<400> 1251

Tyr	Phe	Ile	Ile	Cys	Arg	Asp	Gly	Val	Leu	Leu	Phe	Cys	Pro	Gly	Trp
1				5					10				15		
Ser	Gln	Thr	Pro	Gly	Ala	Gln	Ala	Ile	Leu	Leu	His	Trp	Ala	Thr	Gln
					20				25				30		
Asn	Ala	Gly	Met	Thr	Asp	Met	Ser	His	Ser	Ala	Gln	Pro	Ile	Tyr	Leu
					35				40			45			
Phe	Ile	Tyr	Leu	Ile	Arg	Thr	Arg	Ser	His	Tyr	Val	Ala	Gln	Ala	Gly
					50				55			60			
Gln	Leu	Leu	Asp	Ser	Asn	Asp	Ser	Pro	Asn	Val	Ala	Ser	Gln	Asn	Val
					65				70			75			80
Gly	Ile	Thr	Gly	Met	Ser	His	His	Ala	Trp	Leu	Lys	Ile	Val	Leu	Tyr
					85				90			95			
Phe	Cys	Ile	Ile												
				100											

<210> 1252

<211> 464

<212>Amino acid

<213> Homo sapiens

<400> 1252

Pro	Ala	Ala	Arg	Pro	Pro	Ser	Leu	Val	Arg	Leu	Ser	Pro	Ser	Pro	Pro
1					5				10			15			
Lys	Pro	Arg	Ala	Arg	Ala	Arg	Ala	Pro	Gln	Ser	Val	Glu	Pro	Ala	Ala
					20				25			30			
Pro	Leu	Val	Ala	Arg	Gly	Ser	Ser	Pro	Pro	Ala	Arg	Pro	Ala	Pro	Ala
					35				40			45			
Met	Val	Arg	Pro	Arg	Arg	Ala	Pro	Tyr	Arg	Ser	Gly	Ala	Gly	Gly	Pro
					50				55			60			
Leu	Gly	Gly	Arg	Gly	Arg	Pro	Pro	Arg	Pro	Leu	Val	Val	Arg	Ala	Val
					65				70			75			80
Arg	Ser	Arg	Ser	Trp	Pro	Ala	Ser	Pro	Arg	Gly	Pro	Gln	Pro	Pro	Arg
					85				90			95			
Ile	Arg	Ala	Arg	Ser	Ala	Pro	Pro	Met	Glu	Gly	Ala	Arg	Val	Phe	Gly
					100				105			110			
Ala	Leu	Gly	Pro	Ile	Gly	Pro	Ser	Ser	Pro	Gly	Leu	Thr	Leu	Gly	Gly
					115				120			125			
Leu	Ala	Val	Ser	Glu	His	Arg	Leu	Ser	Asn	Lys	Leu	Leu	Ala	Trp	Ser
					130				135			140			
Gly	Val	Leu	Glu	Trp	Gln	Glu	Lys	Arg	Arg	Pro	Tyr	Ser	Asp	Ser	Thr
					145				150			155			160
Ala	Lys	Leu	Lys	Arg	Thr	Leu	Pro	Cys	Gln	Ala	Tyr	Val	Asn	Gln	Gly
					165				170			175			
Glu	Asn	Leu	Glu	Thr	Asp	Gln	Trp	Pro	Gln	Lys	Leu	Ile	Met	Gln	Leu
					180				185			190			
Ile	Pro	Gln	Gln	Leu	Leu	Thr	Thr	Leu	Gly	Pro	Leu	Phe	Arg	Asn	Ser
					195				200			205			
Gln	Leu	Ala	Gln	Phe	His	Phe	Thr	Asn	Arg	Asp	Cys	Asp	Ser	Leu	Lys
					210				215			220			
Gly	Leu	Cys	Arg	Ile	Met	Gly	Asn	Gly	Phe	Ala	Gly	Cys	Met	Leu	Phe
					225				230			235			240
Pro	His	Ile	Ser	Pro	Cys	Glu	Val	Arg	Val	Leu	Met	Leu	Leu	Tyr	Ser
					245				250			255			
Ser	Lys	Lys	Ile	Phe	Met	Gly	Leu	Ile	Pro	Tyr	Asp	Gln	Ser	Gly	
					260				265			270			
Phe	Val	Ser	Ala	Ile	Arg	Gln	Val	Ile	Thr	Thr	Arg	Lys	Gln	Ala	Val
					275				280			285			

Gly Pro Gly Gly Val Asn Ser Gly Pro Val Gln Ile Val Asn Asn Lys
 290 295 300
 Phe Leu Ala Trp Ser Gly Val Met Glu Trp Gln Glu Pro Arg Pro Glu
 305 310 315 320
 Pro Asn Ser Arg Ser Lys Arg Trp Leu Pro Ser His Val Tyr Val Asn
 325 330 335
 Gln Gly Glu Ile Leu Arg Thr Glu Gln Trp Pro Arg Lys Leu Tyr Met
 340 345 350
 Gln Leu Ile Pro Gln Gln Leu Leu Thr Thr Leu Val Pro Leu Phe Arg
 355 360 365
 Asn Ser Arg Leu Val Gln Phe His Phe Thr Lys Asp Leu Glu Thr Leu
 370 375 380
 Lys Ser Leu Cys Arg Ile Met Asp Asn Gly Phe Ala Gly Cys Val His
 385 390 395 400
 Phe Ser Tyr Lys Ala Ser Cys Glu Ile Arg Val Leu Met Leu Leu Tyr
 405 410 415
 Ser Ser Glu Lys Lys Ile Phe Ile Gly Leu Ile Pro His Asp Gln Gly
 420 425 430
 Asn Phe Val Asn Gly Ile Arg Arg Val Ile Ala Asn Gln Gln Gln Val
 435 440 445
 Leu Gln Arg Asn Leu Glu Gln Glu Gln Gln Arg Gly Met Gly Gly
 450 455 460 464

<210> 1253
<211> 214
<212>Amino acid
<213> Homo sapiens

<400> 1253
 Gly Arg Pro Ala Leu Gly Arg Glu Ala Pro Pro Gln Ala Gly Leu Ser
 1 5 10 15
 Ser Thr Pro Pro Pro Cys Ser Glu Thr Cys Thr Met Gly Pro His Ser
 20 25 30
 Ile Leu Arg Thr Val His Cys Arg Pro Thr Lys Thr Pro Pro Glu Pro
 35 40 45
 Ser Ala Glu Pro His Pro Leu Ser Leu Leu Thr Ser Ser Asn Thr Ser
 50 55 60
 Leu Ala Gly Thr Ser Leu Gly Arg Asp Leu Thr Pro Gly Gly Lys
 65 70 75 80
 Pro Pro Ser Gly Gln Thr Pro Arg Asn Pro Glu Ser Pro Arg His Arg
 85 90 95
 Leu Gly Ser Pro Arg Gly Arg Arg Trp Leu Ala Ser Pro Thr Pro Thr
 100 105 110
 Gly Ser Gly Arg Ser Gly Pro Ala Ser Arg Gly Gln Arg Arg Leu Ser
 115 120 125
 Cys Ala Ala Gln Asp Pro Thr Ser Glu Gly Ala Ser Val Gly Ala Met
 130 135 140
 Glu Ala Gly Leu Gly Pro Pro Thr Ala Ala Pro Arg Gly Val Val Ser
 145 150 155 160
 Glu Ala Ala Glu Ser Leu Gly Gly Thr Leu Ser Trp Gly Ala Trp Gly
 165 170 175
 Arg Pro Pro Ala Gly Pro Ser Gly Leu Ala Gly Arg Arg Ser Arg Arg
 180 185 190
 Glu Ala Leu Arg Pro Asp Arg Lys Glu Ala Ser Val Met Met Ala Ala
 195 200 205
 Val Ser Ala Ile Gln Pro
 210 214

<210> 1254
 <211> 198
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(198)
 <223> X = any amino acid or stop code

<400> 1254
 Pro Gly Val Pro Thr His Gly Trp Pro Arg Ser Arg Val Leu Thr Arg
 1 5 15
 Val Arg Gly Ser Arg Gly Ser Gly Lys Met Ala Ala Ala Val Val Leu
 20 25 30
 Ala Ala Gly Leu Arg Ala Ala Arg Arg Ala Val Ala Ala Thr Gly Val
 35 40 45
 Arg Gly Gly Gln Val Arg Gly Ala Ala Gly Val Thr Asp Gly Asn Glu
 50 55 60
 Val Ala Lys Ala Gln Gln Ala Thr Pro Gly Gly Ala Ala Pro Thr Ile
 65 70 80
 Phe Ser Arg Ile Leu Asp Lys Ser Leu Pro Ala Asp Ile Leu Tyr Glu
 85 90 95
 Asp Gln Gln Cys Leu Val Phe Arg Asp Val Ala Pro Gln Ala Pro Val
 100 105 110
 His Phe Leu Val Ile Pro Lys Lys Pro Ile Pro Arg Ile Ser Gln Ala
 115 120 125
 Glu Glu Glu Asp Gln Gln Leu Thr Tyr Val Pro Pro Leu Ser Leu Xaa
 130 135 140
 Leu Leu Gly His Leu Leu Val Ala Lys Gln Thr Ala Lys Ala Glu
 145 150 160
 Gly Leu Gly Asp Gly Tyr Arg Leu Val Ile Asn Asp Gly Lys Leu Gly
 165 170 175
 Ala Gln Ser Val Tyr His Leu His Ile His Val Leu Gly Gly Arg Gln
 180 185 190
 Leu Gln Trp Pro Pro Gly
 195 198

<210> 1255
 <211> 458
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(458)
 <223> X = any amino acid or stop code

<400> 1255
 Val Pro Asn Tyr Leu Pro Ser Val Ser Ser Ala Ile Gly Gly Glu Val
 1 5 10 15
 Pro Gln Arg Tyr Val Trp Arg Phe Cys Ile Gly Leu His Ser Ala Pro
 20 25 30

Arg Phe Leu Val Ala Phe Ala Tyr Trp Asn His Tyr Leu Ser Cys Thr
 35 40 45
 Ser Pro Cys Ser Cys Tyr Arg Pro Leu Cys Arg Leu Asn Phe Gly Leu
 50 55 60
 Asn Val Val Glu Asn Leu Ala Leu Leu Val Leu Thr Tyr Val Ser Ser
 65 70 75 80
 Ser Glu Asp Phe Thr Trp Val Pro Gly Xaa Gly Arg Ser Gly Glu Val
 85 90 95
 Phe Pro Glu Gly Thr Gly Leu Pro Leu Pro His Ser Asp Leu Pro Thr
 100 105 110
 Ser Trp Cys Gly His Ser Leu Gln Cys Gly Ser Gln Ser Ser Phe Pro
 115 120 125
 Pro Ala Ile His Glu Asn Ala Phe Ile Val Phe Ile Ala Ser Ser Leu
 130 135 140
 Gly His Met Leu Leu Thr Cys Ile Leu Trp Arg Leu Thr Lys Lys His
 145 150 155 160
 Thr Val Ser Gln Glu Asp Gly Leu Ser Leu Ala Gly Ala Pro Arg Gln
 165 170 175
 Pro Arg Arg Lys Ser Arg Thr Ser Val Leu Arg Ile Arg Val Met Val
 180 185 190
 Arg Trp Glu Leu Ser Ser Asn Gly Asn Pro Gly Arg Gly Val Leu Gly
 195 200 205
 Leu Gly Leu Gly Leu Gly Asn Lys Leu Arg Val Val Gly Gln Asn Leu
 210 215 220
 Gly Leu Xaa His Cys Val Trp Val Val Trp Glu Thr Gly Glu Xaa Lys
 225 230 235 240
 Arg Trp Arg Leu Gln Met Gly Ile Glu Xaa Gly Val Ala Ser Arg Arg
 245 250 255
 Gln Xaa Val Arg Asn Ser Val Arg Gly Leu Val Cys His Asn Ser Ser
 260 265 270
 Ala Pro Pro Met Tyr Met Gly Phe Phe Ser Pro Thr Val Phe Gly Gly
 275 280 285
 Gly Val Gly Gly Xaa Leu His Val Thr Phe Ile Leu His Pro Pro Glu
 290 295 300
 Val Glu Ala Ala Gly Ile Pro Leu Leu Gly Pro Ser Leu Pro Gln
 305 310 315 320
 Arg Gln Gly Arg Glu His Ile Val Val Ile Leu Ala Ala Pro Ala Cys
 325 330 335
 Ala Pro Phe His Asp Arg Xaa Trp Glu Pro Arg Glu Ile Arg Pro Ser
 340 345 350
 Pro Xaa Glu Leu Gly Leu Arg Gly Glu Pro Thr Leu Ser Tyr Pro Ala
 355 360 365
 Ser Cys Arg Val Ile Arg Gln Pro Ile Pro Xaa Asp Arg Lys Ser Tyr
 370 375 380
 Ser Trp Lys Gln Arg Leu Phe Ile Ile Asn Phe Ile Ser Phe Phe Ser
 385 390 395 400
 Ala Leu Ala Val Tyr Phe Arg His Asn Met Tyr Cys Glu Ala Gly Val
 405 410 415
 Tyr Thr Ile Phe Ala Ile Leu Glu Tyr Thr Val Val Leu Thr Asn Met
 420 425 430
 Ala Phe His Met Thr Ala Trp Trp Asp Phe Gly Asn Lys Glu Leu Leu
 435 440 445
 Ile Thr Ser Gln Pro Glu Glu Lys Arg Phe
 450 455 458

<210> 1256

<211> 83

<212>Amino acid

<213> Homo sapiens

<400> 1256

Ile	Asp	Leu	Leu	Glu	Ile	Arg	Asn	Gly	Pro	Arg	Ser	His	Glu	Ser	Phe
1				5					10				15		
Gln	Glu	Met	Asp	Leu	Asn	Asp	Asp	Trp	Lys	Leu	Ser	Lys	Asp	Glu	Val
				20					25				30		
Lys	Ala	Tyr	Leu	Lys	Lys	Glu	Phe	Glu	Lys	His	Gly	Ala	Val	Val	Asn
				35				40				45			
Glu	Ser	His	His	Asp	Ala	Leu	Val	Glu	Asp	Ile	Phe	Asp	Lys	Glu	Asp
				50				55				60			
Glu	Asp	Lys	Asp	Gly	Phe	Ile	Ser	Ala	Arg	Glu	Phe	Thr	Tyr	Lys	His
				65				70				75			80
Asp	Glu	Leu													
				83											

<210> 1257

<211> 203
<212>Amino acid
<213> Homo sapiens

<400> 1257

Pro	Arg	Val	Arg	Gly	Arg	Val	Gly	Lys	Glu	Gly	Ala	Ala	Ala	Lys	Pro
1				5				10					15		
Arg	Ser	Leu	Leu	Arg	Arg	Phe	Gln	Leu	Leu	Ser	Trp	Ser	Val	Cys	Gly
				20				25					30		
Gly	Asn	Lys	Asp	Pro	Trp	Val	Gln	Glu	Leu	Met	Ser	Cys	Leu	Asp	Leu
				35				40					45		
Lys	Glu	Cys	Gly	His	Ala	Tyr	Ser	Gly	Ile	Val	Ala	His	Gln	Lys	His
				50				55				60			
Leu	Leu	Pro	Thr	Ser	Pro	Pro	Ile	Ser	Gln	Ala	Ser	Glu	Gly	Ala	Ser
				65				70				75			80
Ser	Asp	Ile	His	Thr	Pro	Ala	Gln	Met	Leu	Leu	Ser	Thr	Leu	Gln	Ser
				85				90				95			
Thr	Gln	Arg	Pro	Thr	Leu	Pro	Val	Gly	Ser	Leu	Ser	Ser	Asp	Lys	Glu
				100				105					110		
Leu	Thr	Arg	Pro	Asn	Glu	Thr	Thr	Ile	His	Thr	Ala	Gly	His	Ser	Leu
				115				120				125			
Ala	Ala	Gly	Pro	Glu	Ala	Gly	Glu	Asn	Gln	Lys	Gln	Pro	Glu	Lys	Asn
				130				135				140			
Ala	Gly	Pro	Thr	Ala	Arg	Thr	Ser	Ala	Thr	Val	Pro	Val	Leu	Cys	Leu
				145				150				155			160
Leu	Ala	Ile	Ile	Phe	Ile	Leu	Thr	Ala	Ala	Leu	Ser	Tyr	Val	Leu	Cys
				165				170				175			
Lys	Arg	Arg	Arg	Gly	Gln	Ser	Pro	Gln	Ser	Ser	Pro	Asp	Leu	Pro	Val
				180				185				190			
His	Tyr	Ile	Pro	Val	Ala	Pro	Asp	Ser	Asn	Thr					
				195				200				203			

<210> 1258

<211> 195
<212>Amino acid
<213> Homo sapiens

<400> 1258

Leu Ile Ile Ser Asn Phe Leu Lys Ala Lys Gln Lys Pro Gly Ser Thr
 1 5 10 15
 Pro Asn Leu Gln Gln Lys Lys Ser Gln Ala Arg Leu Ala Pro Asp Ile
 20 25 30
 Val Ser Ala Ser Gln Tyr Arg Lys Phe Asp Glu Phe Gln Thr Gly Ile
 35 40 45
 Leu Ile Tyr Glu Leu Leu His Gln Pro Asn Pro Phe Glu Val Arg Ala
 50 55 60
 Gln Leu Arg Glu Arg Asp Tyr Arg Gln Glu Asp Leu Pro Pro Leu Pro
 65 70 75 80
 Ala Leu Ser Leu Tyr Ser Pro Gly Leu Gln Gln Leu Ala His Leu Leu
 85 90 95
 Leu Glu Ala Asp Pro Ile Lys Arg Ile Arg Ile Gly Glu Ala Lys Arg
 100 105 110
 Val Leu Gln Cys Leu Leu Trp Gly Pro Arg Arg Glu Leu Val Gln Gln
 115 120 125
 Pro Gly Thr Ser Glu Glu Ala Leu Cys Gly Thr Leu His Asn Trp Ile
 130 135 140
 Asp Met Lys Arg Ala Leu Met Met Met Lys Phe Ala Glu Lys Ala Val
 145 150 155 160
 Asp Arg Arg Arg Gly Val Glu Leu Glu Asp Trp Leu Cys Cys Gln Tyr
 165 170 175
 Leu Ala Ser Ala Glu Pro Gly Ala Leu Leu Gln Ser Leu Lys Leu Leu
 180 185 190
 Gln Leu Leu
 195

<210> 1259
 <211> 672
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(672)
 <223> X = any amino acid or stop code

<400> 1259
 Lys Arg Gly Leu Ile Val Val Met Ala His Glu Met Ile Gly Thr Gln
 1 5 10 15
 Ile Val Thr Glu Arg Gly Val Ala Leu Leu Glu Ser Gly Thr Glu Lys
 20 25 30
 Val Leu Leu Ile Asp Ser Arg Pro Phe Val Glu Tyr Asn Thr Ser His
 35 40 45
 Ile Leu Glu Ala Ile Asn Ile Asn Cys Ser Lys Leu Met Lys Arg Arg
 50 55 60
 Leu Gln Gln Asp Lys Val Leu Ile Thr Glu Leu Ile Gln His Ser Ala
 65 70 75 80
 Lys His Lys Val Asp Ile Asp Cys Ser Gln Lys Val Val Val Tyr Asp
 85 90 95
 Gln Ser Ser Gln Asp Val Ala Ser Leu Ser Ser Asp Cys Phe Leu Thr
 100 105 110
 Val Leu Leu Gly Lys Leu Glu Lys Ser Phe Asn Ser Val His Leu Leu
 115 120 125
 Ala Gly Gly Phe Ala Glu Phe Ser Arg Cys Phe Pro Gly Leu Cys Glu
 130 135 140
 Gly Lys Ser Thr Leu Val Pro Thr Cys Ile Ser Gln Pro Cys Leu Pro
 145 150 155 160
 Val Ala Asn Ile Gly Pro Thr Arg Ile Leu Pro Asn Leu Tyr Leu Gly

	165	170	175
Cys Gln Arg Asp Val Leu Asn Lys Glu	Leu Met Gln Gln Asn Gly Ile		
180	185	190	
Gly Tyr Val Leu Asn Ala Ser Asn Thr Cys Pro Lys	Pro Asp Phe Ile		
195	200	205	
Pro Glu Ser His Phe Leu Arg Val Pro Val Asn Asp	Ser Phe Cys Glu		
210	215	220	
Lys Ile Leu Pro Trp Leu Asp Lys Ser Val Asp	Phe Ile Glu Lys Ala		
225	230	235	240
Lys Ala Ser Asn Gly Cys Val Leu Val His Cys	Leu Ala Gly Ile Ser		
245	250	255	
Arg Ser Ala Thr Ile Ala Ile Ala Tyr Ile Met Lys	Arg Met Asp Met		
260	265	270	
Ser Leu Asp Glu Ala Tyr Phe Val Lys Glu Lys Arg	Pro Thr Ile		
275	280	285	
Ser Pro Asn Phe Asn Phe Leu Gly Gln Leu Leu Asp	Tyr Glu Lys Lys		
290	295	300	
Ile Lys Asn Gln Thr Gly Ala Ser Gly Pro Lys Ser	Lys Leu Lys Leu		
305	310	315	320
Leu His Leu Glu Lys Pro Asn Glu Pro Val Pro Ala	Val Ser Glu Gly		
325	330	335	
Gly Gln Lys Ser Glu Thr Pro Leu Ser Pro Pro Cys	Ala Asp Ser Ala		
340	345	350	
Thr Ser Glu Ala Ala Gly Gln Arg Pro Val His Pro	Ala Ser Val Pro		
355	360	365	
Ser Val Pro Ser Val Gln Pro Ser Leu Leu Glu Asp	Ser Pro Leu Val		
370	375	380	
Gln Ala Leu Ser Gly Leu His Leu Ser Ala Asp	Arg Leu Glu Asp Ser		
385	390	395	400
Asn Lys Leu Lys Arg Ser Phe Ser Leu Asp Ile Lys	Ser Val Ser Tyr		
405	410	415	
Ser Ala Ser Met Ala Ala Ser Leu His Gly Phe Ser	Ser Ser Glu Asp		
420	425	430	
Ala Leu Glu Tyr Tyr Lys Pro Ser Thr Thr Leu Asp	Gly Thr Asn Lys		
435	440	445	
Leu Cys Gln Phe Ser Pro Val Gln Glu Leu Cys Gly	Ala Asp Ser Arg		
450	455	460	
Asn Gln Ser Xaa Xaa Gly Gly Ser Gln Pro Ser	Pro Arg Ser Cys Arg		
465	470	475	480
Pro Pro Gly Leu Gln Thr Ala Arg Ala Ser Asp	Cys Ile Arg Ser Glu		
485	490	495	
Pro Ala Ala Val Ala Pro Pro Arg Gly Pro Phe	Tyr Leu His Cys Ile		
500	505	510	
Glu Val Gly Ala Trp Arg Thr Ile Thr Thr Pro Ala	Ser Phe Ser Ala		
515	520	525	
Phe Pro Pro Ala Ala Pro His Glu Val Cys Trp	Pro Gly Pro Xaa		
530	535	540	
Gly Leu Ala Pro Asp Ile Leu Ala Pro Gln Thr	Ser Thr Pro Ser Leu		
545	550	555	560
Thr Ser Ser Trp Tyr Phe Ala Thr Glu Ser Ser His	Phe Tyr Ser Ala		
565	570	575	
Ser Ala Ile Tyr Gly Gly Ser Ala Ser Tyr Ser Ala	Tyr Ser Cys Ser		
580	585	590	
Gln Leu Pro Thr Cys Gly Asp Gln Val Tyr Ser Val	Arg Arg Arg Gln		
595	600	605	
Lys Pro Ser Asp Arg Ala Asp Ser Arg Arg Ser	Trp His Glu Glu Ser		
610	615	620	
Pro Phe Glu Lys Gln Phe Lys Arg Arg Ser Cys	Gln Met Glu Phe Gly		
625	630	635	640
Glu Ser Ile Met Ser Glu Asn Arg Ser Arg Glu	Glu Leu Gly Lys Val		
645	650	655	
Gly Ser Gln Ser Ser Phe Ser Gly Ser Met Glu Ile	Ile Glu Val Ser		
660	665	670	672

<210> 1260
<211> 260
<212>Amino acid
<213> Homo sapiens

<400> 1260
Ala Ser Ser Ser Lys Arg Val Ser Arg Gln Lys Met Leu Gln Leu Trp
1 5 10 15
Lys Leu Val Leu Leu Cys Gly Val Leu Thr Gly Thr Ser Glu Ser Leu
20 25 30
Leu Asp Asn Leu Gly Asn Asp Leu Ser Asn Val Val Asp Lys Leu Glu
35 40 45
Pro Val Leu His Glu Gly Leu Glu Thr Val Asp Asn Thr Leu Lys Gly
50 55 60
Ile Leu Glu Lys Leu Lys Val Asp Leu Gly Val Leu Gln Lys Ser Ser
65 70 75 80
Ala Trp Gln Leu Ala Lys Gln Lys Ala Gln Glu Ala Glu Lys Leu Leu
85 90 95
Asn Asn Val Ile Ser Lys Leu Leu Pro Thr Asn Thr Asp Ile Phe Gly
100 105 110
Leu Lys Ile Ser Asn Ser Leu Ile Leu Asp Val Lys Ala Glu Pro Ile
115 120 125
Asp Asp Gly Lys Gly Leu Asn Leu Ser Phe Pro Val Thr Ala Asn Val
130 135 140
Thr Glu Ala Gly Pro Ile Ile Asp Gln Ile Ile Asn Leu Arg Ala Ser
145 150 155 160
Leu Asp Leu Leu Thr Ala Val Thr Ile Glu Thr Asp Pro Gln Thr His
165 170 175
His Pro Val Ala Gly Leu Gly Glu Cys Ala Arg Asp Pro Thr Ser Ile
180 185 190
Ser Leu Cys Leu Leu Asp Lys His Ser Gln Ile Ile Asn Lys Phe Val
195 200 205
Asn Ser Val Ile Asn Thr Leu Lys Ser Thr Val Ser Ser Leu Leu Gln
210 215 220
Lys Glu Ile Cys Pro Leu Ile Arg Ile Phe Ile His Ser Leu Asp Val
225 230 235 240
Asn Val Ile Gln Gln Val Val Asp Asn Pro Gln His Lys Thr Gln Leu
245 250 255
Gln Thr Leu Ile
260

<210> 1261
<211> 278
<212>Amino acid
<213> Homo sapiens

<400> 1261
Cys Ser Leu Arg Arg Pro Arg Ser Ala Ala Glu Pro Asp Ala Asp His
1 5 10 15
Val Pro Leu Leu Gly Leu Leu Arg Leu Gln Leu Arg Ala Ala Arg Gln
20 25 30
Pro Gly Ala Met Arg Pro Gln Gly Pro Ala Ala Ser Pro Gln Arg Leu

35	40	45
Arg Gly Leu Leu Leu Leu Leu Leu Gln Leu Pro Ala Pro Ser Ser		
50	55	60
Ala Ser Glu Ile Pro Lys Gly Lys Gln Lys Ala Gln Leu Arg Gln Arg		
65	70	75
Glu Val Val Asp Leu Tyr Asn Gly Met Cys Leu Gln Gly Pro Ala Gly		80
85	90	95
Val Pro Gly Arg Asp Gly Ser Pro Gly Ala Asn Gly Ile Pro Gly Thr		
100	105	110
Pro Gly Ile Pro Gly Arg Asp Gly Phe Lys Gly Glu Lys Gly Glu Cys		
115	120	125
Leu Arg Glu Ser Phe Glu Glu Ser Trp Thr Pro Asn Tyr Lys Gln Cys		
130	135	140
Ser Trp Ser Ser Leu Asn Tyr Gly Ile Asp Leu Gly Lys Ile Ala Glu		
145	150	155
Cys Thr Phe Thr Lys Met Arg Ser Asn Ser Ala Leu Arg Val Leu Phe		160
165	170	175
Ser Gly Ser Leu Arg Leu Lys Cys Arg Asn Ala Cys Cys Gln Arg Trp		
180	185	190
Tyr Phe Thr Phe Asn Gly Ala Glu Cys Ser Gly Pro Leu Pro Ile Glu		
195	200	205
Ala Ile Ile Tyr Leu Asp Gln Gly Ser Pro Glu Met Asn Ser Thr Ile		
210	215	220
Asn Ile His Arg Thr Ser Ser Val Glu Gly Leu Cys Glu Gly Ile Gly		
225	230	235
Ala Gly Leu Val Asp Val Ala Ile Trp Val Gly Thr Cys Ser Asp Tyr		240
245	250	255
Pro Lys Gly Asp Ala Ser Thr Gly Trp Asn Ser Val Ser Arg Ile Ile		
260	265	270
Ile Glu Glu Leu Pro Lys		
275	278	

<210> 1262
 <211> 362
 <212>Amino acid
 <213> Homo sapiens

<400> 1262		
Met His .Ser Ala Met Leu Gly Thr Arg Val Asn Leu Ser Val Ser Asp		
1	5	10
Phe Trp Arg Val Met Met Arg Val Cys Trp Leu Val Arg Gln Asp Ser		15
20	25	30
Arg His Gln Arg Ile Arg Leu Pro His Leu Glu Ala Val Val Ile Gly		
35	40	45
Arg Gly Pro Glu Thr Lys Ile Thr Asp Lys Lys Cys Ser Arg Gln Gln		
50	55	60
Val Gln Leu Lys Ala Glu Cys Asn Lys Gly Tyr Val Lys Val Lys Gln		
65	70	75
Val Gly Val Asn Pro Thr Ser Ile Asp Ser Val Val Ile Gly Lys Asp		80
85	90	95
Gln Glu Val Lys Leu Gln Pro Gly Gln Val Leu His Met Val Asn Glu		
100	105	110
Leu Tyr Pro Tyr Ile Val Glu Phe Glu Glu Ala Lys Asn Pro Gly		
115	120	125
Leu Glu Thr His Arg Lys Arg Lys Arg Ser Gly Asn Ser Asp Ser Ile		
130	135	140
Glu Arg Asp Ala Ala Gln Glu Ala Glu Ala Gly Thr Gly Leu Glu Pro		
145	150	155
Gly Ser Asn Ser Gly Gln Cys Ser Val Pro Leu Lys Lys Gly Lys Asp		160

	165	170	175
Ala Pro Ile Lys Lys Glu Ser Leu Gly His Trp Ser Gln Gly Leu Lys			
180	185	190	
Ile Ser Met Gln Asp Pro Lys Met Gln Val Tyr Lys Asp Glu Gln Val			
195	200	205	
Val Val Ile Lys Asp Lys Tyr Pro Lys Ala Arg Tyr His Trp Leu Val			
210	215	220	
Leu Pro Trp Thr Ser Ile Ser Ser Leu Lys Ala Val Ala Arg Glu His			
225	230	235	240
Leu Glu Leu Leu Lys His Met His Thr Val Gly Glu Lys Val Ile Val			
245	250	255	
Asp Phe Ala Gly Ser Ser Lys Leu Arg Phe Arg Leu Gly Tyr His Ala			
260	265	270	
Ile Pro Ser Met Ser His Val His Leu His Val Ile Ser Gln Asp Phe			
275	280	285	
Asp Ser Pro Cys Leu Lys Asn Lys Lys His Trp Asn Ser Phe Asn Thr			
290	295	300	
Glu Tyr Phe Leu Glu Ser Gln Ala Val Ile Glu Met Val Gln Glu Ala			
305	310	315	320
Gly Arg Val Thr Val Arg Asp Gly Met Pro Glu Leu Leu Lys Leu Pro			
325	330	335	
Leu Arg Cys His Glu Cys Gln Gln Leu Leu Pro Ser Ile Pro Gln Leu			
340	345	350	
Lys Glu His Leu Arg Lys His Trp Thr Gln			
355	360	362	

<210> 1263
 <211> 618
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(618)
 <223> X = any amino acid or stop code

	<400> 1263		
Asp Met Ser Asp Thr Ser Glu Ser Gly Ala Gly Leu Thr Arg Phe Gln			
1	5	10	15
Ala Glu Ala Ser Glu Lys Asp Ser Ser Ser Met Met Gln Thr Leu Leu			
20	25	30	
Thr Val Thr Gln Asn Val Glu Val Pro Glu Thr Pro Lys Ala Ser Lys			
35	40	45	
Ala Leu Glu Val Ser Glu Asp Val Lys Val Ser Lys Ala Ser Gly Val			
50	55	60	
Ser Lys Ala Thr Glu Val Ser Lys Thr Pro Glu Ala Arg Glu Ala Pro			
65	70	75	80
Ala Thr Gln Ala Ser Ser Thr Thr Gln Leu Thr Asp Thr Gln Val Leu			
85	90	95	
Ala Ala Glu Asn Lys Ser Leu Ala Ala Asp Thr Lys Lys Gln Asn Ala			
100	105	110	
Asp Pro Gln Ala Val Thr Met Pro Ala Thr Glu Thr Lys Lys Val Ser			
115	120	125	
His Val Ala Asp Thr Lys Val Asn Thr Lys Ala Gln Glu Thr Glu Ala			
130	135	140	
Ala Pro Ser Gln Ala Pro Ala Asp Glu Pro Glu Pro Glu Ser Ala Ala			
145	150	155	160
Ala Gln Ser Gln Glu Asn Gln Asp Thr Arg Pro Lys Val Lys Ala Lys			
165	170	175	

Lys Ala Arg Lys Val Lys His Leu Asp Gly Glu Glu Asp Gly Ser Ser
 180 185 190
 Asp Gln Ser Gln Ala Ser Gly Thr Thr Gly Gly Arg Arg Val Ser Lys
 195 200 205
 Ala Leu Met Ala Ser Met Ala Arg Arg Ala Ser Arg Gly Pro Ile Ala
 210 215 220
 Phe Trp Ala Arg Arg Ala Ser Arg Thr Arg Leu Ala Cys Phe Gly Pro
 225 230 235 240
 Gly Glu Pro Leu Leu Ser Pro Trp Arg Ser Pro Lys Ala Arg Arg Gln
 245 250 255
 Arg Gly Phe Ala Val Arg Val Ala Lys Phe Gln Ser Ser Gln Glu Pro
 260 265 270
 Glu Ala Pro Pro Pro Trp Asp Val Ala Leu Leu Gln Gly Arg Ala Asn
 275 280 285
 Asp Leu Val Lys Tyr Leu Leu Ala Lys Asp Gln Thr Lys Ile Pro Ile
 290 295 300
 Lys Arg Ser Asp Met Leu Lys Asp Ile Ile Lys Glu Tyr Thr Asp Val
 305 310 315 320
 Tyr Pro Glu Ile Ile Glu Arg Ala Gly Tyr Ser Leu Glu Lys Val Phe
 325 330 335
 Gly Ile Gln Leu Lys Glu Ile Asp Lys Asn Asp His Leu Tyr Ile Leu
 340 345 350
 Leu Ser Thr Leu Glu Pro Thr Asp Ala Gly Ile Leu Gly Thr Thr Lys
 355 360 365
 Asp Ser Pro Lys Leu Gly Leu Leu Met Val Leu Leu Ser Ile Ile Phe
 370 375 380
 Met Asn Gly Asn Arg Ser Ser Glu Ala Val Ile Trp Glu Val Leu Arg
 385 390 395 400
 Arg Ser Leu Gly Leu Arg Leu Gly Ile His His Ser Leu Leu Gly Asp
 405 410 415
 Val Lys Lys Leu Ile Thr Asp Glu Val Val Lys Gln Lys Tyr Leu Asp
 420 425 430
 Tyr Ala Arg Val Pro His Ser Asn Ser Pro Glu Tyr Glu Phe Phe Trp
 435 440 445
 Gly Leu Arg Ser Tyr Tyr Glu Asp Gln Gln Arg Xaa Lys Ser Phe Lys
 450 455 460
 Phe Ala Cys Lys Val Gln Lys Lys Asp Pro Lys Glu Trp Ala Ala Gln
 465 470 475 480
 Ser Pro Pro Gly Lys Ala Arg Glu Arg Met Glu Ala Asp Leu Lys Ala
 485 490 495
 Ala Ser Xaa Gly Ser Pro Trp Lys Pro Arg Leu Arg Ala Glu Ile Lys
 500 505 510
 Ala Arg Met Gly Ile Gly Leu Gly Ser Glu Asn Ala Ala Gly Pro Cys
 515 520 525
 Asn Trp Asp Glu Ala Asp Ile Gly Pro Trp Ala Lys Ala Arg Ile Gln
 530 535 540
 Ala Gly Ala Glu Ala Lys Ala Lys Ala Gln Glu Ser Gly Ser Ala Ser
 545 550 555 560
 Thr Gly Ala Ser Thr Ser Thr Asn Asn Ser Ala Ser Ala Ser Ala Ser
 565 570 575
 Thr Ser Gly Gly Phe Ser Ala Gly Ala Ser Leu Thr Ala Thr Leu Thr
 580 585 590
 Phe Gly Leu Phe Ala Gly Leu Gly Gly Ala Gly Ala Ser Thr Ser Gly
 595 600 605
 Ser Ser Gly Ala Cys Gly Phe Ser Tyr Lys
 610 615 618

<210> 1264

<211> 464

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(464)
<223> X = any amino acid or stop code

<400> 1264

Ala	Arg	Pro	Pro	Val	Cys	Thr	Gly	Ser	Thr	Met	Ser	Leu	Thr	Val	Val
1				5					10				15		
Ser	Met	Ala	Cys	Val	Gly	Phe	Phe	Leu	Leu	Gln	Gly	Ala	Trp	Pro	Leu
				20				25				30			
Met	Gly	Gly	Gln	Asp	Lys	Pro	Phe	Leu	Ser	Ala	Arg	Pro	Ser	Thr	Val
				35			40			45					
Val	Pro	Arg	Gly	Gly	His	Val	Ala	Leu	Gln	Cys	His	Tyr	Arg	Arg	Gly
				50			55			60					
Phe	Asn	Asn	Phe	Met	Leu	Tyr	Lys	Glu	Asp	Arg	Ser	His	Val	Pro	Ile
				65			70			75			80		
Phe	His	Gly	Arg	Ile	Phe	Gln	Glu	Ser	Phe	Ile	Met	Gly	Pro	Val	Thr
				85			90			95					
Pro	Ala	His	Ala	Gly	Thr	Tyr	Arg	Cys	Arg	Gly	Ser	Arg	Pro	His	Ser
				100			105			110					
Leu	Thr	Gly	Trp	Ser	Ala	Pro	Ser	Asn	Pro	Leu	Val	Ile	Met	Val	Thr
				115			120			125					
Gly	Asn	His	Arg	Lys	Pro	Ser	Leu	Leu	Ala	His	Pro	Gly	Pro	Leu	Leu
				130			135			140					
Lys	Ser	Gly	Glu	Thr	Val	Ile	Leu	Gln	Cys	Trp	Ser	Asp	Ile	Met	Phe
				145			150			155			160		
Glu	His	Phe	Phe	Leu	His	Lys	Glu	Gly	Ile	Ser	Lys	Asp	Pro	Ser	Arg
				165			170			175					
Leu	Val	Gly	Gln	Ile	His	Asp	Gly	Val	Ser	Lys	Ala	Asn	Phe	Ser	Ile
				180			185			190					
Gly	Pro	Met	Met	Leu	Ala	Leu	Ala	Gly	Thr	Tyr	Arg	Cys	Tyr	Gly	Ser
				195			200			205					
Val	Thr	His	Thr	Pro	Tyr	Gln	Leu	Ser	Ala	Pro	Ser	Asp	Pro	Leu	Asp
				210			215			220					
Ile	Val	Val	Thr	Gly	Pro	Tyr	Glu	Lys	Pro	Ser	Leu	Ser	Ala	Gln	Pro
				225			230			235			240		
Gly	Pro	Lys	Val	Gln	Ala	Gly	Glu	Ser	Val	Thr	Leu	Ser	Cys	Ser	Ser
				245			250			255					
Arg	Ser	Ser	Tyr	Asp	Met	Tyr	His	Leu	Ser	Arg	Glu	Gly	Gly	Ala	His
				260			265			270					
Glu	Arg	Arg	Leu	Pro	Ala	Val	Arg	Lys	Val	Asn	Arg	Thr	Phe	Gln	Ala
				275			280			285					
Asp	Phe	Pro	Leu	Gly	Pro	Ala	Thr	His	Gly	Gly	Thr	Tyr	Arg	Cys	Phe
				290			295			300					
Gly	Ser	Phe	Arg	His	Ser	Pro	Tyr	Glu	Trp	Ser	Asp	Pro	Ser	Asp	Pro
				305			310			315			320		
Leu	Leu	Val	Ser	Val	Thr	Gly	Asn	Pro	Ser	Ser	Trp	Pro	Ser	Pro	
				325			330			335					
Thr	Glu	Pro	Ser	Ser	Lys	Ser	Gly	Asn	Leu	Arg	His	Leu	His	Ile	Leu
				340			345			350					
Ile	Gly	Thr	Ser	Val	Val	Lys	Ile	Pro	Phe	Thr	Ile	Leu	Phe	Phe	
				355			360			365					
Leu	Leu	His	Arg	Trp	Cys	Ser	Asn	Lys	Lys	Asn	Ala	Ala	Val	Met	Asp
				370			375			380					
Gln	Glu	Pro	Ala	Gly	Asn	Arg	Val	Asn	Ser	Glu	Asp	Ser	Asp	Glu	Gln
				385			390			395			400		
Asp	His	Gln	Glu	Val	Ser	Tyr	Pro	Xaa	Leu	Glu	His	Cys	Val	Phe	Thr
				405			410			415					
Gln	Arg	Lys	Ile	Thr	Arg	Pro	Ser	Gln	Arg	Pro	Lys	Thr	Pro	Pro	Thr
				420			425			430					
Asp	Thr	Ser	Met	Tyr	Ile	Glu	Leu	Pro	Asn	Ala	Glu	Pro	Arg	Ser	Lys

435	440	445
Val Val Phe Cys Pro Arg Ala Pro Gln Ser Gly Leu Glu Gly Ile Phe		
450	455	460
		464

<210> 1265
<211> 1879
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1879)
<223> X = any amino acid or stop code

<400> 1265
Leu His Asn Leu Arg Glu Arg Tyr Phe Ser Gly Leu Ile Tyr Thr Tyr
1 5 10 15
Ser Gly Leu Phe Cys Val Val Val Asn Pro Tyr Lys His Leu Pro Ile
20 25 30
Tyr Ser Glu Lys Ile Val Asp Met Tyr Lys Gly Lys Lys Arg His Glu
35 40 45
Met Pro Pro His Ile Tyr Ala Ile Ala Asp Thr Ala Tyr Arg Ser Met
50 55 60
Leu Gln Asp Arg Glu Asp Gln Ser Ile Leu Cys Thr Gly Glu Ser Gly
65 70 75 80
Ala Gly Lys Thr Glu Asn Thr Lys Lys Val Ile Gln Tyr Leu Ala Val
85 90 95
Val Ala Ser Ser His Lys Gly Lys Lys Asp Thr Ser Ile Thr Gly Glu
100 105 110
Leu Glu Lys Gln Leu Leu Gln Ala Asn Pro Ile Leu Glu Ala Phe Gly
115 120 125
Asn Ala Lys Thr Val Lys Asn Asp Asn Ser Ser Arg Phe Gly Lys Phe
130 135 140
Ile Arg Ile Asn Phe Asp Val Thr Gly Tyr Ile Val Gly Ala Asn Ile
145 150 155 160
Glu Thr Tyr Leu Leu Glu Lys Ser Arg Ala Ile Arg Gln Ala Arg Asp
165 170 175
Glu Arg Thr Phe His Ile Phe Tyr Tyr Met Ile Ala Gly Ala Lys Glu
180 185 190
Lys Met Arg Ser Asp Leu Leu Glu Gly Phe Asn Asn Tyr Thr Phe
195 200 205
Leu Ser Asn Gly Phe Val Pro Ile Pro Ala Ala Gln Asp Asp Glu Met
210 215 220
Phe Gln Glu Thr Val Glu Ala Met Ala Ile Met Gly Phe Ser Glu Glu
225 230 235 240
Glu Gln Leu Ser Ile Leu Lys Val Val Ser Ser Val Leu Gln Leu Gly
245 250 255
Asn Ile Val Phe Lys Lys Glu Arg Asn Thr Asp Gln Ala Ser Met Pro
260 265 270
Asp Asn Thr Ala Ala Gln Lys Val Cys His Leu Met Gly Ile Asn Val
275 280 285
Thr Asp Phe Thr Arg Ser Ile Leu Thr Pro Arg Ile Lys Val Gly Arg
290 295 300
Asp Val Val Gln Lys Ala Gln Thr Lys Glu Gln Ala Asp Phe Ala Val
305 310 315 320
Glu Ala Leu Ala Lys Ala Thr Tyr Glu Arg Leu Phe Arg Trp Ile Leu
325 330 335

Thr Arg Val Asn Lys Ala Leu Asp Lys Thr His Arg Gln Gly Ala Ser
 340 345 350
 Phe Leu Gly Ile Leu Asp Ile Ala Gly Phe Glu Ile Phe Glu Val Asn
 355 360 365
 Ser Phe Glu Gln Leu Cys Ile Asn Tyr Thr Asn Glu Lys Leu Gln Gln
 370 375 380
 Leu Phe Asn His Thr Met Phe Ile Leu Glu Gln Glu Glu Tyr Gln Arg
 385 390 395 400
 Glu Gly Ile Glu Trp Asn Phe Ile Asp Phe Gly Leu Asp Leu Gln Pro
 405 410 415
 Cys Ile Glu Leu Ile Glu Arg Pro Asn Asn Pro Pro Gly Val Leu Ala
 420 425 430
 Leu Leu Asp Glu Glu Cys Trp Phe Pro Lys Ala Thr Asp Lys Ser Phe
 435 440 445
 Val Glu Lys Leu Cys Thr Glu Gln Gly Ser His Pro Lys Phe Gln Lys
 450 455 460
 Pro Lys Gln Leu Lys Asp Lys Thr Glu Phe Ser Ile Ile His Tyr Ala
 465 470 475 480
 Gly Lys Val Asp Tyr Asn Ala Ser Ala Trp Leu Thr Lys Asn Met Asp
 485 490 495
 Pro Leu Asn Asp Asn Val Thr Ser Leu Leu Asn Ala Ser Ser Asp Lys
 500 505 510
 Phe Val Ala Asp Leu Trp Lys Asp Val Asp Arg Ile Val Gly Leu Asp
 515 520 525
 Gln Met Ala Lys Met Thr Glu Ser Ser Leu Pro Ser Ala Ser Lys Thr
 530 535 540
 Lys Lys Gly Met Phe Arg Thr Val Gly Gln Leu Tyr Lys Glu Gln Leu
 545 550 555 560
 Gly Lys Leu Met Thr Thr Leu Arg Asn Thr Thr Pro Asn Phe Val Arg
 565 570 575
 Cys Ile Ile Pro Asn His Glu Lys Arg Ser Gly Lys Leu Asp Ala Phe
 580 585 590
 Leu Val Leu Glu Gln Leu Arg Cys Asn Gly Val Leu Glu Gly Ile Arg
 595 600 605
 Ile Cys Arg Gln Gly Phe Pro Asn Arg Ile Val Phe Gln Glu Phe Arg
 610 615 620
 Gln Arg Tyr Glu Ile Leu Ala Ala Asn Ala Ile Pro Lys Gly Phe Met
 625 630 635 640
 Asp Gly Lys Gln Ala Cys Ile Leu Met Ile Lys Ala Leu Glu Leu Asp
 645 650 655
 Pro Asn Leu Tyr Arg Ile Gly Gln Ser Lys Ile Phe Phe Arg Thr Gly
 660 665 670
 Val Leu Ala His Leu Glu Glu Arg Asp Leu Lys Ile Thr Asp Val
 675 680 685
 Ile Met Ala Phe Gln Ala Met Cys Arg Gly Tyr Leu Ala Arg Lys Ala
 690 695 700
 Phe Ala Lys Arg Gln Gln Leu Thr Ala Met Lys Val Ile Gln Arg
 705 710 715 720
 Asn Cys Ala Ala Tyr Ile Lys Leu Arg Asn Trp Gln Trp Cys Arg Leu
 725 730 735
 Phe Thr Lys Val Xaa Pro Leu Leu Gln Val Thr Arg Gln Glu Xaa Glu
 740 745 750
 Met Gln Ala Lys Glu Asp Glu Leu Gln Lys Thr Lys Glu Arg Gln Gln
 755 760 765
 Lys Ala Glu Asn Glu Leu Lys Glu Leu Glu Gln Lys His Ser Gln Leu
 770 775 780
 Thr Glu Glu Lys Asn Leu Leu Gln Glu Gln Leu Gln Ala Glu Thr Glu
 785 790 795 800
 Leu Tyr Ala Glu Ala Glu Glu Met Arg Val Arg Leu Ala Ala Lys Lys
 805 810 815
 Gln Glu Leu Glu Glu Ile Leu His Glu Met Glu Ala Arg Leu Glu Glu
 820 825 830
 Glu Glu Asp Arg Gly Gln Gln Leu Gln Ala Glu Arg Lys Lys Met Ala
 835 840 845

Gln Gln Met Leu Asp Leu Glu Glu Gln Leu Glu Glu Glu Ala Ala
 850 855 860
 Arg Gln Lys Leu Gln Leu Glu Lys Val Thr Ala Glu Ala Lys Ile Lys
 865 870 875 880
 Lys Leu Glu Asp Glu Ile Leu Val Met Asp Asp Gln Asn Asn Lys Leu
 885 890 895
 Ser Lys Glu Arg Lys Leu Leu Glu Glu Arg Ile Ser Asp Leu Thr Thr
 900 905 910
 Asn Leu Ala Glu Glu Glu Lys Ala Lys Asn Leu Thr Lys Leu Lys
 915 920 925
 Asn Lys His Glu Ser Met Ile Ser Glu Leu Glu Val Arg Leu Lys Lys
 930 935 940
 Glu Glu Lys Ser Arg Gln Glu Leu Glu Lys Leu Lys Arg Lys Leu Glu
 945 950 955 960
 Gly Asp Ala Ser Asp Phe His Glu Gln Ile Ala Asp Leu Gln Ala Gln
 965 970 975
 Ile Ala Glu Leu Lys Met Gln Leu Ala Lys Lys Glu Glu Leu Gln
 980 985 990
 Ala Ala Leu Ala Arg Leu Asp Asp Glu Ile Ala Gln Lys Asn Asn Ala
 995 1000 1005
 Leu Lys Lys Ile Arg Glu Leu Glu Gly His Ile Ser Asp Leu Gln Glu
 1010 1015 1020
 Asp Leu Asp Ser Glu Arg Ala Ala Arg Asn Lys Ala Glu Lys Gln Lys
 1025 1030 1035 1040
 Arg Asp Leu Gly Glu Leu Glu Ala Leu Lys Thr Glu Leu Glu Asp
 1045 1050 1055
 Thr Leu Asp Ser Thr Ala Thr Gln Gln Glu Leu Arg Ala Lys Arg Glu
 1060 1065 1070
 Gln Glu Val Thr Val Leu Lys Arg Ala Leu Asn Glu Glu Thr Arg Ser
 1075 1080 1085
 His Glu Ala Gln Val Gln Glu Met Arg Gln Lys His Ala Gln Ala Val
 1090 1095 1100
 Gln Ser Leu Thr Glu Gln Leu Glu Gln Xaa Lys Arg Ala Lys Ala Asn
 1105 1110 1115 1120
 Leu Asp Lys Asn Lys Gln Thr Leu Glu Lys Glu Asn Thr Asp Leu Ala
 1125 1130 1135
 Gly Glu Leu Arg Val Leu Gly Gln Ala Lys Gln Glu Val Glu His Arg
 1140 1145 1150
 Met Lys Lys Leu Gln Ala Gln Val Gln Glu Leu Gln Ser Lys Cys Ser
 1155 1160 1165
 Asp Gly Glu Arg Ala Arg Ala Glu Leu Asn Asp Lys Val His Lys Leu
 1170 1175 1180
 Gln Asn Glu Val Glu Ser Val Thr Gly Met Leu Asn Glu Ala Glu Gly
 1185 1190 1195 1200
 Lys Ala Ile Lys Leu Ala Lys Asp Val Ala Ser Leu Ser Ser Gln Leu
 1205 1210 1215
 Gln Asp Thr Gln Glu Leu Leu Gln Glu Ser Arg Gln Lys Leu Asn
 1220 1225 1230
 Val Ser Thr Ser Leu Arg Gln Leu Glu Glu Glu Arg Asn Ser Leu Gln
 1235 1240 1245
 Asp Gln Leu Asp Glu Glu Met Glu Ala Lys Gln Asn Leu Glu Arg His
 1250 1255 1260
 Ile Ser Thr Leu Asn Ile Gln Leu Ser Asp Ser Lys Lys Lys Leu Gln
 1265 1270 1275 1280
 Asp Phe Ala Ser Thr Val Glu Ala Leu Glu Glu Gly Lys Lys Arg Phe
 1285 1290 1295
 Gln Lys Glu Ile Glu Asn Leu Thr Gln Gln Tyr Glu Glu Lys Ala Ala
 1300 1305 1310
 Ala Tyr Asp Lys Leu Glu Lys Thr Lys Asn Arg Leu Gln Gln Glu Leu
 1315 1320 1325
 Asp Asp Leu Val Val Asp Leu Asp Asn Gln Arg Gln Leu Val Ser Asn
 1330 1335 1340
 Leu Glu Lys Lys Gln Arg Lys Phe Asp Gln Leu Leu Ala Glu Glu Lys
 1345 1350 1355 1360

Asn Ile Ser Ser Lys Tyr Ala Asp Glu Arg Asp Arg Val Glu Ala Glu
 1365 1370 1375
 Ala Arg Glu Lys Glu Thr Lys Ala Leu Ser Leu Ala Arg Ala Leu Glu
 1380 1385 1390
 Glu Ala Leu Glu Ala Lys Glu Glu Leu Glu Arg Thr Asn Lys Met Leu
 1395 1400 1405
 Lys Ala Glu Met Gly Arg Pro Gly Ser Ala Ser Lys Asp Asp Val Gly
 1410 1415 1420
 Gln Glu Leu Ser His Asp Leu Glu Lys Ser Lys Arg Ala Leu Gly Asp
 1425 1430 1435 1440
 Pro Arg Leu Glu Glu Met Lys Thr Gln Leu Glu Leu Gly Arg Thr
 1445 1450 1455
 Glu Leu Ala Ser Pro Arg Arg Asp Ala Lys Leu Arg Leu Glu Val Asn
 1460 1465 1470
 Met Gln Ala Pro Ser Arg Ala Ser Phe Glu Arg Asp Leu Gln Ala Arg
 1475 1480 1485
 Thr Glu Gln Asn Glu Glu Ser Arg Arg His Leu Gln Arg Gln Leu His
 1490 1495 1500
 Glu Tyr Glu Thr Glu Leu Glu Asp Glu Arg Lys Gln Arg Ala Leu Ala
 1505 1510 1515 1520
 Ala Ala Ala Lys Ile Lys Leu Gly Trp Asp Pro Val Arg Thr Leu Asp
 1525 1530 1535
 Leu Xaa Ala Asp Ser Ala Ile Lys Gly Arg Gly Lys Ala Ile Lys
 1540 1545 1550
 Gln Leu Arg Lys Leu Gln Ala Gln Met Lys Asp Phe Gln Arg Glu Leu
 1555 1560 1565
 Glu Asp Ala Arg Ala Ser Arg Asp Glu Ile Phe Ala Thr Ala Lys Glu
 1570 1575 1580
 Asn Glu Lys Lys Ala Lys Ser Leu Glu Ala Asp Leu Met Gln Leu Gln
 1585 1590 1595 1600
 Glu Asp Leu Ala Ala Ala Glu Glu Gly Arg Lys Gln Ala Asp Leu Glu
 1605 1610 1615
 Lys Glu Glu Leu Ala Glu Glu Leu Ala Ser Ser Leu Ser Gly Arg Asn
 1620 1625 1630
 Ala Leu Gln Asp Glu Lys Arg Arg Leu Glu Ala Arg Ile Ala Gln Leu
 1635 1640 1645
 Glu Glu Glu Leu Glu Glu Gln Gly Asn Met Glu Ala Met Ser Asp
 1650 1655 1660
 Arg Val Arg Lys Ala Thr Gln Gln Ala Glu Gln Leu Ser Asn Glu Leu
 1665 1670 1675 1680
 Ala Thr Glu Arg Ser Thr Ala Gln Lys Asn Glu Ser Ala Arg Gln Gln
 1685 1690 1695
 Leu Glu Arg Gln Asn Lys Glu Leu Arg Ser Lys Leu His Glu Met Glu
 1700 1705 1710
 Gly Ala Val Lys Ser Lys Phe Lys Ser Thr Ile Ala Ala Leu Glu Ala
 1715 1720 1725
 Lys Ile Ala Gln Leu Glu Glu Gln Val Glu Gln Glu Ala Arg Glu Lys
 1730 1735 1740
 Gln Ala Ala Thr Lys Ser Leu Lys Gln Lys Asp Lys Lys Leu Lys Glu
 1745 1750 1755 1760
 Ile Leu Leu Gln Val Glu Asp Glu Arg Lys Met Ala Glu Gln Tyr Lys
 1765 1770 1775
 Glu Gln Ala Glu Lys Gly Asn Ala Arg Val Lys Gln Leu Lys Arg Gln
 1780 1785 1790
 Leu Glu Glu Ala Glu Glu Ser Gln Arg Ile Asn Ala Asn Arg Arg
 1795 1800 1805
 Lys Leu Gln Arg Glu Leu Asp Glu Ala Thr Glu Ser Asn Glu Ala Met
 1810 1815 1820
 Gly Arg Glu Val Asn Ala Leu Lys Ser Lys Leu Arg Arg Gly Asn Glu
 1825 1830 1835 1840
 Thr Ser Phe Val Pro Ser Arg Arg Ser Gly Gly Arg Arg Val Ile Glu
 1845 1850 1855
 Asn Ala Asp Gly Ser Glu Glu Glu Thr Asp Thr Arg Asp Ala Asp Phe
 1860 1865 1870

Asn Gly Thr Lys Ala Ser Glu
 1875 1879

<210> 1266
<211> 257
<212>Amino acid
<213> Homo sapiens

<400> 1266
Lys Leu His Phe Ala Lys Ser Leu Asn Ser Glu Leu Ser Cys Ser Thr
 1 5 10 15
Arg Glu Ala Met Gln Asp Glu Asp Gly Tyr Ile Thr Leu Asn Ile Lys
 20 25 30
Thr Arg Lys Pro Ala Leu Val Ser Val Gly Pro Ala Ser Ser Ser Trp
 35 40 45
Trp Arg Val Met Ala Leu Ile Leu Ile Leu Cys Val Gly Met Val
 50 55 60
Val Gly Leu Val Ala Leu Gly Ile Trp Ser Val Met Gln Arg Asn Tyr
 65 70 75 80
Leu Gln Asp Glu Asn Glu Asn Arg Thr Gly Thr Leu Gln Gln Leu Ala
 85 90 95
Lys Arg Phe Cys Gln Tyr Val Val Lys Gln Ser Glu Leu Lys Gly Thr
 100 105 110
Phe Lys Gly His Lys Cys Ser Pro Cys Asp Thr Asn Trp Arg Tyr Tyr
 115 120 125
Gly Asp Ser Cys Tyr Gly Phe Phe Arg His Asn Leu Thr Trp Glu Glu
 130 135 140
Ser Lys Gln Tyr Cys Thr Asp Met Asn Ala Thr Leu Leu Lys Ile Asp
 145 150 155 160
Asn Arg Asn Ile Val Glu Tyr Ile Lys Ala Arg Thr His Leu Ile Arg
 165 170 175
Trp Val Gly Leu Ser Arg Gln Lys Ser Asn Glu Val Trp Lys Trp Glu
 180 185 190
Asp Gly Ser Val Ile Ser Glu Asn Met Phe Glu Phe Leu Glu Asp Gly
 195 200 205
Lys Gly Asn Met Asn Cys Ala Tyr Phe His Asn Gly Lys Met His Pro
 210 215 220
Thr Phe Cys Glu Asn Lys His Tyr Leu Met Cys Glu Arg Lys Ala Gly
 225 230 235 240
His Asp Pro Arg Trp Thr Gln Leu Pro Leu Met Pro Lys Arg Trp Thr
 245 250 255
Gly
 257

<210> 1267
<211> 208
<212>Amino acid
<213> Homo sapiens

<400> 1267
Asn Gln Gly Leu Arg Asp Val Gly Leu Cys Arg Thr Cys Leu Val Asn
 1 5 10 15
Lys Ile Phe Ala Ser Ser Ile Leu Gly Lys Ser His His His Ser Leu
 20 25 30

Val	Ser	Ile	Asn	Gln	Gly	His	Asn	Ala	Pro	Trp	Lys	Ala	Ala	Gly	Ser
35						40					45				
Leu	Pro	Leu	Lys	Ala	Ala	Tyr	Cys	Gln	Gly	Phe	Ser	Pro	Cys	Asp	Cys
50						55					60				
Leu	Lys	Tyr	Gly	Ser	Trp	Asp	Glu	Lys	Asp	Leu	Met	Val	Pro	Gln	Pro
65						70				75				80	
Asp	Thr	His	Lys	Gly	Ser	Val	Leu	Arg	Trp	Ile	Ser	Lys	Arg	Gly	Lys
						85				90			95		
Pro	Leu	Ala	Val	Glu	Met	Glu	Glu	Gly	His	Cys	Leu	Cys	Leu	Pro	Leu
					100				105				110		
Gly	Thr	Glu	Cys	Leu	Gly	Val	Lys	Pro	Ile	Val	His	Leu	Phe	Asn	Ser
						115			120			125			
Glu	Met	Gly	Glu	Lys	Arg	Pro	Val	Ala	Gly	Ala	Arg	His	Val	Gly	Ser
					130			135			140				
Ser	Ala	Ala	Leu	Leu	Phe	Phe	Thr	Pro	Leu	Arg	Cys	Leu	Gly	Gly	Glu
145						150				155			160		
Lys	His	Lys	Ser	Gly	Leu	Arg	Ala	Arg	Pro	Gly	Ile	Val	Pro	Ser	Leu
						165				170			175		
Glu	Leu	Asn	Tyr	Asp	Ile	Asp	Ser	Phe	Ala	His	Met	Phe	Phe	Ser	Val
					180				185			190			
Asp	Leu	Leu	Leu	Ile	Ile	Thr	Leu	Leu	Ser	Tyr	Tyr	Ile	Pro	Phe	Cys
					195				200			205			208

<210> 1268
 <211> 158
 <212>Amino acid
 <213> Homo sapiens

<400> 1268															
Met	Trp	Trp	Arg	Leu	Ala	Pro	Thr	Gln	Ala	Ile	Trp	Arg	Ala	Ala	Gly
1				5				10				15			
Cys	Cys	Met	Arg	Phe	Ser	Arg	Arg	Arg	Ser	Thr	Cys	Cys	Cys	Leu	Ala
					20				25			30			
Ser	Cys	Ile	Phe	Leu	Leu	Tyr	Lys	Ile	Val	Arg	Gly	Asp	Gln	Pro	Ala
					35				40			45			
Ala	Lys	Arg	Arg	Gln	Arg	Arg	Arg	Arg	Ala	Ala	Pro	Ser	Ala	Pro	Pro
				50				55			60				
Gln	Ala	Ala	Arg	Leu	His	Pro	Pro	Pro	Lys	Leu	Arg	Arg	Phe	Asp	Gly
				65				70			75			80	
Val	Gln	Asp	Pro	Ala	Pro	Tyr	Ser	Trp	Ala	Ile	Asn	Gly	Lys	Val	Phe
					85				90			95			
Asp	Val	Thr	Gln	Arg	Pro	Ala	Asn	Phe	Leu	Arg	Gly	Pro	Arg	Gly	Pro
				100				105			110				
Glu	Thr	Leu	Ser	Asp	Trp	Glu	Ser	Gln	Phe	Thr	Phe	Lys	Tyr	His	His
				115				120			125				
Val	Gly	Lys	Leu	Leu	Lys	Glu	Gly	Glu	Glu	Pro	Thr	Val	Tyr	Ser	Asp
				130				135			140				
Glu	Glu	Glu	Pro	Lys	Asp	Glu	Ser	Ala	Arg	Lys	Asn	Asp	*		
				145				150			155			157	

<210> 1269
 <211> 178
 <212>Amino acid
 <213> Homo sapiens

<400> 1269

Gly Pro Arg Met Ala Lys Phe Leu Ser Gln Asp Gln Ile Asn Glu Tyr
 1 5 10 15
 Lys Glu Cys Phe Ser Leu Tyr Asp Lys Gln Gln Arg Gly Lys Ile Lys
 20 25 30
 Ala Thr Asp Leu Met Val Ala Met Arg Cys Leu Gly Ala Ser Pro Thr
 35 40 45
 Pro Gly Glu Val Gln Arg His Leu Gln Thr His Gly Ile Asp Gly Asn
 50 55 60
 Gly Glu Leu Asp Phe Ser Thr Phe Leu Thr Ile Met His Met Gln Ile
 65 70 75 80
 Lys Gln Glu Asp Pro Lys Lys Glu Ile Leu Leu Ala Met Leu Met Val
 85 90 95
 Asp Lys Glu Lys Lys Gly Tyr Val Met Ala Ser Asp Leu Arg Ser Lys
 100 105 110
 Leu Thr Ser Leu Gly Glu Lys Leu Thr His Lys Glu Val Asp Asp Leu
 115 120 125
 Phe Arg Glu Ala Asp Ile Glu Pro Asn Gly Lys Val Lys Tyr Asp Glu
 130 135 140
 Phe Ile His Lys Ile Thr Leu Leu Pro Gly Arg Asp Leu Leu Lys Glu
 145 150 155 160
 Glu Asn Gly Arg Ala Ser Pro Gly Pro Glu Asn Leu Glu Gln Leu Ile
 165 170 175
 Phe Leu
 178

<210> 1270
 <211> 457.
 <212>Amino acid
 <213> Homo sapiens

<400> 1270

Ala Asp Pro His Thr Thr Val Ile Arg Phe Phe Pro Ala Ala Ser Ala
 1 5 10 15
 Thr Lys Arg Val Leu Pro Pro Val Leu Arg Val Ser Ser Pro Arg Thr
 20 25 30
 Trp Asn Pro Asn Val Pro Glu Ser Pro Arg Ile Pro Ala Pro Arg Leu
 35 40 45
 Pro Lys Arg Met Ser Gly Ala Pro Thr Ala Gly Ala Ala Leu Met Leu
 50 55 60
 Cys Ala Ala Thr Ala Val Leu Leu Ser Ala Gln Gly Gly Pro Val Gln
 65 70 75 80
 Ser Lys Ser Pro Arg Phe Ala Ser Trp Asp Glu Met Asn Val Leu Ala
 85 90 95
 His Gly Leu Leu Gln Leu Gly Gln Gly Leu Arg Glu His Ala Glu Arg
 100 105 110
 Thr Arg Ser Gln Leu Ser Ala Leu Glu Arg Arg Leu Ser Ala Cys Gly
 115 120 125
 Ser Ala Cys Gln Gly Thr Glu Gly Ser Thr Asp Leu Pro Leu Ala Pro
 130 135 140
 Glu Ser Arg Val Asp Pro Glu Val Leu His Ser Leu Gln Thr Gln Leu
 145 150 155 160
 Lys Ala Gln Asn Ser Arg Ile Gln Gln Leu Phe His Lys Val Ala Gln
 165 170 175
 Gln Gln Arg His Leu Glu Lys Gln His Leu Arg Ile Gln His Leu Gln
 180 185 190

Ser Gln Phe Gly Leu Leu Asp His Lys His Leu Asp His Glu Val Ala
 195 200 205
 Lys Pro Ala Arg Arg Lys Arg Leu Pro Glu Met Ala Gln Pro Val Asp
 210 215 220
 Pro Ala His Asn Val Ser Arg Leu His Arg Leu Pro Arg Asp Cys Gln
 225 230 235 240
 Glu Leu Phe Gln Val Gly Glu Arg Gln Ser Gly Leu Phe Glu Ile Gln
 245 250 255
 Pro Gln Gly Ser Pro Pro Phe Leu Val Asn Cys Lys Met Thr Ser Asp
 260 265 270
 Gly Gly Trp Thr Val Ile Gln Arg Arg His Asp Gly Ser Val Asp Phe
 275 280 285
 Asn Arg Pro Trp Glu Ala Tyr Lys Ala Gly Phe Gly Asp Pro His Gly
 290 295 300
 Glu Phe Trp Leu Gly Leu Glu Lys Val His Ser Ile Thr Gly Asp Arg
 305 310 315 320
 Asn Ser Arg Leu Ala Val Gln Leu Arg Asp Trp Asp Gly Asn Ala Glu
 325 330 335
 Leu Leu Gln Phe Ser Val His Leu Gly Gly Glu Asp Thr Ala Tyr Ser
 340 345 350
 Leu Gln Leu Thr Ala Pro Val Ala Gly Gln Leu Gly Ala Thr Thr Val
 355 360 365
 Pro Pro Ser Gly Leu Ser Val Pro Phe Ser Thr Trp Asp Gln Asp His
 370 375 380
 Asp Leu Arg Arg Asp Lys Asn Cys Ala Lys Ser Leu Ser Gly Gly Trp
 385 390 395 400
 Trp Phe Gly Thr Cys Ser His Ser Asn Leu Asn Gly Gln Tyr Phe Arg
 405 410 415
 Ser Ile Pro Gln Gln Arg Gln Lys Leu Lys Lys Gly Ile Phe Trp Lys
 420 425 430
 Thr Trp Arg Gly Arg Tyr Tyr Pro Leu Gln Ala Thr Thr Met Leu Ile
 435 440 445
 Gln Pro Met Ala Ala Glu Ala Ala Ser
 450 455 457

<210> 1271
 <211> 394
 <212>Amino acid
 <213> Homo sapiens

<400> 1271
 Ala Leu Asp Phe Gly Asp Ser Cys Gln Trp Pro Arg Pro Gln Asp Thr
 1 5 10 15
 Met Lys Gln Leu Pro Val Leu Glu Pro Gly Asp Lys Pro Arg Lys Ala
 20 25 30
 Thr Trp Tyr Thr Leu Thr Val Pro Gly Asp Ser Pro Cys Ala Arg Val
 35 40 45
 Gly His Ser Cys Ser Tyr Leu Pro Pro Val Gly Asn Ala Lys Arg Gly
 50 55 60
 Lys Val Phe Ile Val Gly Gly Ala Asn Pro Asn Arg Ser Phe Ser Asp
 65 70 75 80
 Val His Thr Met Asp Leu Gly Lys His Gln Trp Asp Leu Asp Thr Cys
 85 90 95
 Lys Gly Leu Leu Pro Arg Tyr Glu His Ala Ser Phe Ile Pro Ser Cys
 100 105 110
 Thr Pro Asp Arg Ile Trp Val Phe Gly Gly Ala Asn Gln Ser Gly Asn
 115 120 125
 Arg Asn Cys Leu Gln Val Leu Asn Pro Glu Thr Arg Thr Trp Thr Thr
 130 135 140

Pro Glu Val Thr Ser Pro Pro Pro Ser Pro Arg Thr Phe His Thr Ser
 145 150 155 160
 Ser Ala Ala Ile Gly Asn Gln Leu Tyr Val Phe Gly Gly Gly Glu Arg
 165 170 175
 Gly Ala Gln Pro Val Gln Asp Thr Lys Leu His Val Phe Asp Ala Asn
 180 185 190
 Thr Leu Thr Trp Ser Gln Pro Glu Thr Leu Gly Asn Pro Pro Ser Pro
 195 200 205
 Arg His Gly His Val Met Val Ala Ala Gly Thr Lys Leu Phe Ile His
 210 215 220
 Gly Gly Leu Ala Gly Asp Arg Phe Tyr Asp Asp Leu His Cys Ile Asp
 225 230 235 240
 Ile Ser Asp Met Lys Trp Gln Lys Leu Asn Pro Thr Gly Ala Ala Pro
 245 250 255
 Ala Gly Cys Ala Ser His Thr Pro Ala Val Ala Met Gly Lys His Val
 260 265 270
 Tyr Ile Phe Gly Gly Met Thr Pro Ala Gly Ala Pro Gly Thr Gln Cys
 275 280 285
 Thr Gln Tyr His Thr Glu Glu Gln His Trp Asp Pro Cys Leu Lys Phe
 290 295 300
 Asp Thr Pro Ser Tyr Pro Pro Gly Thr Ile Gly Thr His Ser His Val
 305 310 315 320
 Val Ser Phe Pro Trp Pro Val Thr Cys Ala Ser Glu Lys Glu Asp Ser
 325 330 335
 Asn Ser Leu Thr Leu Asn His Glu Ala Glu Lys Glu Asp Ser Ala Asp
 340 345 350
 Lys Val Met Ser His Ser Gly Asp Ser His Glu Glu Ser Gln Thr Ala
 355 360 365
 Thr Leu Leu Cys Leu Val Phe Gly Gly Met Asn Thr Glu Gly Glu Ile
 370 375 380
 Tyr Asp Asp Cys Ile Val Thr Val Val Asp
 385 390 394

<210> 1272
 <211> 176
 <212>Amino acid
 <213> Homo sapiens

<400> 1272
 Gly Phe Ser Ile Gly Lys Ala Thr Asp Arg Met Asp Ala Phe Arg Lys
 1 5 10 15
 Ala Lys Asn Arg Ala Val His His Leu His Tyr Ile Glu Arg Tyr Glu
 20 25 30
 Asp His Thr Ile Phe His Asp Ile Ser Leu Arg Phe Lys Arg Thr His
 35 40 45
 Ile Lys Met Lys Lys Gln Pro Lys Gly Tyr Gly Leu Arg Cys His Arg
 50 55 60
 Ala Ile Ile Thr Ile Cys Arg Leu Ile Gly Ile Lys Asp Met Tyr Ala
 65 70 75 80
 Lys Val Ser Gly Ser Ile Asn Met Leu Ser Leu Thr Gln Gly Leu Phe
 85 90 95
 Arg Gly Leu Ser Arg Gln Glu Thr His Gln Gln Leu Ala Asp Lys Lys
 100 105 110
 Gly Leu His Val Val Glu Ile Arg Glu Glu Cys Gly Pro Leu Pro Ile
 115 120 125
 Val Val Ala Ser Pro Arg Gly Pro Leu Arg Lys Asp Pro Glu Pro Glu
 130 135 140
 Asp Glu Val Pro Asp Val Lys Leu Asp Trp Glu Asp Val Lys Thr Ala
 145 150 155 160

Gln Gly Met Lys Arg Ser Val Trp Ser 'Asn Leu Lys Arg Ala Ala Thr
165 170 175 176

<210> 1273
<211> 457
<212>Amino acid
<213> Homo sapiens

<400> 1273
 Ala Asp Pro His Thr Thr Val Ile Arg Phe Phe Pro Ala Ala Ser Ala
 1 5 10 15
 Thr Lys Arg Val Leu Pro Pro Val Leu Arg Val Ser Ser Pro Arg Thr
 20 . 25 30
 Trp Asn Pro Asn Val Pro Glu Ser Pro Arg Ile Pro Ala Pro Arg Leu
 35 40 45
 Pro Lys Arg Met Ser Gly Ala Pro Thr Ala Gly Ala Ala Leu Met Leu
 50 55 60
 Cys Ala Ala Thr Ala Val Leu Leu Ser Ala Gln Gly Gly Pro Val Gln
 65 70 75 80
 Ser Lys Ser Pro Arg Phe Ala Ser Trp Asp Glu Met Asn Val Leu Ala
 85 90 95
 His Gly Leu Leu Gln Leu Gly Gln Gly Leu Arg Glu His Ala Glu Arg
 100 105 110
 Thr Arg Ser Gln Leu Ser Ala Leu Glu Arg Arg Leu Ser Ala Cys Gly
 115 120 125
 Ser Ala Cys Gln Gly Thr Glu Gly Ser Thr Asp Leu Pro Leu Ala Pro
 130 135 140
 Glu Ser Arg Val Asp Pro Glu Val Leu His Ser Leu Gln Thr Gln Leu
 145 150 155 160
 Lys Ala Gln Asn Ser Arg Ile Gln Gln Leu Phe His Lys Val Ala Gln
 165 170 175
 Gln Gln Arg His Leu Glu Lys Gln His Leu Arg Ile Gln His Leu Gln
 180 185 190
 Ser Gln Phe Gly Leu Leu Asp His Lys His Leu Asp His Glu Val Ala
 195 200 205
 Lys Pro Ala Arg Arg Lys Arg Leu Pro Glu Met Ala Gln Pro Val Asp
 210 215 220
 Pro Ala His Asn Val Ser Arg Leu His Arg Leu Pro Arg Asp Cys Gln
 225 230 235 240
 Glu Leu Phe Gln Val Gly Glu Arg Gln Ser Gly Leu Phe Glu Ile Gln
 245 250 255
 Pro Gln Gly Ser Pro Pro Phe Leu Val Asn Cys Lys Met Thr Ser Asp
 260 265 270
 Gly Gly Trp Thr Val Ile Gln Arg Arg His Asp Gly Ser Val Asp Phe
 275 280 285
 Asn Arg Pro Trp Glu Ala Tyr Lys Ala Gly Phe Gly Asp Pro His Gly
 290 295 300
 Glu Phe Trp Leu Gly Leu Glu Lys Val His Ser Ile Thr Gly Asp Arg
 305 310 315 320
 Asn Ser Arg Leu Ala Val Gln Leu Arg Asp Trp Asp Gly Asn Ala Glu
 325 330 335
 Leu Leu Gln Phe Ser Val His Leu Gly Gly Glu Asp Thr Ala Tyr Ser
 340 345 350
 Leu Gln Leu Thr Ala Pro Val Ala Gly Gln Leu Gly Ala Thr Thr Val
 355 360 365
 Pro Pro Ser Gly Leu Ser Val Pro Phe Ser Thr Trp Asp Gln Asp His
 370 375 380

Asp	Leu	Arg	Arg	Asp	Lys	Asn	Cys	Ala	Lys	Ser	Leu	Ser	Gly	Gly	Trp
385				390					395						400
Trp	Phe	Gly	Thr	Cys	Ser	His	Ser	Asn	Leu	Asn	Gly	Gln	Tyr	Phe	Arg
				405					410						415
Ser	Ile	Pro	Gln	Gln	Arg	Gln	Lys	Leu	Lys	Lys	Gly	Ile	Phe	Trp	Lys
				420				425							430
Thr	Trp	Arg	Gly	Arg	Tyr	Tyr	Pro	Leu	Gln	Ala	Thr	Thr	Met	Leu	Ile
				435			440								445
Gln	Pro	Met	Ala	Ala	Glu	Ala	Ala	Ser							
			450		455		457								

<210> 1274
 <211> 359
 <212>Amino acid
 <213> Homo sapiens

<400> 1274															
Thr	Leu	Arg	Ser	Arg	Pro	Ala	Gly	Glu	Ala	Gly	Tyr	Leu	Gly	Trp	Asp
1				5				10							15
Pro	Glu	Gln	Ala	Gly	Glu	Gly	Ser	Ala	Leu	Ser	Arg	Pro	Gly	Ala	Met
					20			25							30
Ala	Ala	Leu	Met	Thr	Pro	Gly	Thr	Gly	Ala	Pro	Pro	Ala	Pro	Gly	Asp
			35		40			45							
Phe	Ser	Gly	Glu	Gly	Ser	Gln	Gly	Leu	Pro	Asp	Pro	Ser	Pro	Glu	Pro
			50		55			60							
Lys	Gln	Leu	Pro	Glu	Leu	Ile	Arg	Met	Lys	Arg	Asp	Gly	Gly	Arg	Leu
			65		70		75								80
Ser	Glu	Ala	Asp	Ile	Arg	Gly	Phe	Val	Ala	Ala	Val	Val	Asn	Gly	Ser
			85		90			95							
Ala	Gln	Gly	Ala	Gln	Ile	Gly	Ala	Trp	Gly	Gly	Leu	Gly	Val	Pro	Asp
			100		105			110							
Pro	Asp	Trp	Glu	Val	Ser	Pro	Arg	Asp	Phe	Gly	Ser	Leu	Gly	Val	Arg
			115		120		125								
Arg	Cys	Pro	Thr	Thr	Ser	Thr	Gly	Pro	Arg	Val	Pro	His	Arg	Cys	Gly
			130		135		140								
Leu	Pro	Pro	Ser	Arg	Val	Pro	Pro	His	Thr	Arg	Gly	Met	Leu	Met	Ala
			145		150		155								160
Ile	Arg	Leu	Arg	Gly	Met	Asp	Leu	Glu	Glu	Thr	Ser	Val	Leu	Thr	Gln
			165		170		175								
Ala	Leu	Ala	Gln	Ser	Gly	Gln	Gln	Leu	Glu	Trp	Pro	Glu	Ala	Trp	Arg
			180		185		190								
Gln	Gln	Leu	Val	Asp	Lys	His	Ser	Thr	Gly	Gly	Val	Gly	Asp	Lys	Val
			195		200		205								
Ser	Leu	Val	Leu	Ala	Pro	Ala	Leu	Ala	Ala	Cys	Gly	Cys	Lys	Val	Ile
			210		215		220								
Asn	His	Leu	Leu	Ser	Arg	Arg	Glu	Pro	Ile	Pro	His	Met	Gln	Gln	Pro
			225		230		235								240
Val	His	Pro	Gln	Ala	Ala	Pro	Asn	Leu	Lys	Pro	Gly	Pro	Lys	Pro	Pro
			245		250		255								
Arg	Pro	Tyr	Gln	Gly	Phe	Ser	Pro	Pro	Cys	Ser	Pro	Ala	Gln	Phe	Ser
			260		265		270								
Pro	Pro	Arg	Ser	Pro	Ala	Gln	Arg	Leu	Gly	Pro	Leu	Trp	Leu	Gln	Thr
			275		280		285								
Arg	Pro	Leu	Gly	Ala	Gly	Lys	Arg	Ser	Thr	Asp	Gly	Ile	Gln	Thr	Pro
			290		295		300								
Phe	Pro	Leu	Gly	Pro	Gln	Thr	Ala	Pro	Pro	Arg	Glu	Glu	Leu	Arg	Thr
			305		310		315								320
Ser	Leu	Pro	Leu	Pro	Gln	Ala	Leu	Phe	Pro	Gln	Gly	Gln	Val	Pro	Thr
			325		330		335								

Ser Ser Pro Thr Asp Thr Ser Gln Pro Arg Lys Leu Pro Phe His Ser
 340 345 350
 Leu Thr Ser Trp Ala Pro Leu
 355 359

<210> 1275
<211> 146
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(146)
<223> X = any amino acid or stop code

<400> 1275
Arg Ala Leu Arg Glu Leu Arg Glu Arg Val Thr His Gly Leu Ala Glu
1 5 10 15
Ala Gly Arg Asp Arg Glu Asp Val Ser Thr Glu Leu Tyr Arg Ala Leu
20 25 30
Glu Ala Val Arg Leu Gln Asn Ser Glu Gly Ser Cys Glu Pro Cys Pro
35 40 45
Thr Ser Trp Leu Pro Phe Gly Gly Ser Cys Tyr Tyr Phe Ser Val Pro
50 55 60
Lys Thr Thr Trp Ala Glu Ala Gln Gly His Cys Ala Asp Ala Ser Ala
65 70 75 80
His Leu Ala Ile Val Gly Gly Leu Gly Glu Gln Asp Phe Leu Ser Arg
85 90 95
Asp Thr Ser Ala Leu Glu Tyr Trp Ile Gly Arg Arg Ala Val Gln His
100 105 110
Leu Arg Lys Val Gln Gly Tyr Ser Trp Val Asp Gly Val Pro Leu Ser
115 120 125
Phe Arg Xaa Trp Glu Gly His Pro Gly Glu Thr Trp Gly Pro Gln Val
130 135 140
Arg Leu
145 146

<210> 1276
<211> 187
<212>Amino acid
<213> Homo sapiens

<400> 1276
Arg Trp Pro Arg Ser Trp Pro Pro Arg Ala Gly Ala Ala Arg Gly Ala
1 5 10 15
Ala Glu Ala Ala Met Val Gly Ala Leu Cys Gly Cys Trp Phe Arg Leu
20 25 30
Gly Gly Ala Arg Pro Leu Ile Pro Leu Gly Pro Thr Val Val Gln Thr
35 40 45
Ser Met Ser Arg Ser Gln Val Ala Leu Leu Gly Leu Ser Leu Leu Leu
50 55 60
Met Leu Leu Leu Tyr Val Gly Leu Pro Gly Pro Pro Glu Gln Thr Ser
65 70 75 80
Cys Leu Trp Gly Asp Pro Asn Val Thr Val Leu Ala Gly Leu Thr Pro

	85	90	95
Gly Asn Ser Pro Ile Phe Tyr Arg Glu Val Leu Pro Leu Asn Gln Ala			
100	105	110	
His Arg Val Glu Val Cys Cys Phe Met Glu Arg Pro Leu Thr Leu Thr			
115	120	125	
Arg Gly Ser Ser Trp Ala His Cys Ser Tyr Cys His Arg Gly Ala Thr			
130	135	140	
Gly Pro Trp Pro Leu Thr Phe Gln Val Leu Gly Thr Arg His Leu Gln			
145	150	155	160
Arg Arg Gln Ala Gln Arg Gln Gly Gly Gln Arg Cys Trp Ser Gly Arg			
165	170	175	
Cys Gly Thr Trp Arg Tyr Arg Met Pro Cys Trp			
180	185	187	

<210> 1277

<211> 481

<212>Amino acid

<213> Homo sapiens

	<400> 1277		
Gln Glu Asn Gln Leu Glu Lys Lys Met Lys Phe Leu Ile Phe Ala Phe			
1	5	10	15
Phe Gly Gly Val His Leu Leu Ser Leu Cys Ser Gly Lys Ala Ile Cys			
20	25	30	
Lys Asn Gly Ile Ser Lys Arg Thr Phe Glu Glu Ile Lys Glu Glu Ile			
35	40	45	
Ala Ser Cys Gly Asp Val Ala Lys Ala Ile Ile Asn Leu Ala Val Tyr			
50	55	60	
Gly Lys Ala Gln Asn Arg Ser Tyr Glu Arg Leu Ala Leu Val Asp			
65	70	75	80
Thr Val Gly Pro Arg Leu Ser Gly Ser Lys Asn Leu Glu Lys Ala Ile			
85	90	95	
Gln Ile Met Tyr Gln Asn Leu Gln Gln Asp Gly Leu Glu Lys Val His			
100	105	110	
Leu Glu Pro Val Arg Ile Pro His Trp Glu Arg Gly Glu Ser Ala			
115	120	125	
Val Met Leu Glu Pro Arg Ile His Lys Ile Ala Ile Leu Gly Leu Gly			
130	135	140	
Ser Ser Ile Gly Thr Pro Pro Glu Gly Ile Thr Ala Glu Val Leu Val			
145	150	155	160
Val Thr Ser Phe Asp Glu Leu Gln Arg Arg Ala Ser Glu Ala Arg Gly			
165	170	175	
Lys Ile Val Val Tyr Asn Gln Pro Tyr Ile Asn Tyr Ser Arg Thr Val			
180	185	190	
Gln Tyr Arg Thr Gln Gly Ala Val Glu Ala Ala Lys Val Gly Ala Leu			
195	200	205	
Ala Ser Leu Ile Arg Ser Val Ala Ser Phe Ser Ile Tyr Ser Pro His			
210	215	220	
Thr Gly Ile Gln Glu Tyr Gln Asp Gly Val Pro Lys Ile Pro Thr Ala			
225	230	235	240
Cys Ile Thr Val Glu Asp Ala Glu Met Met Ser Arg Met Ala Ser His			
245	250	255	
Gly Ile Lys Ile Val Ile Gln Leu Lys Met Gly Ala Lys Thr Tyr Pro			
260	265	270	
Asp Thr Asp Ser Phe Asn Thr Val Ala Glu Ile Thr Gly Ser Lys Tyr			
275	280	285	
Pro Glu Gln Val Val Leu Val Ser Gly His Leu Asp Ser Trp Asp Val			
290	295	300	
Gly Gln Gly Ala Met Asp Asp Gly Gly Ala Phe Ile Ser Trp Glu			

305	310	315	320
Ala Leu Ser Leu Ile Lys Asp Leu Gly Leu Arg Pro Lys Arg Thr Leu			
325	330	335	
Arg Leu Val Leu Trp Thr Ala Glu Glu Gln Gly Gly Val Gly Ala Phe			
340	345	350	
Gln Tyr Tyr Gln Leu His Lys Val Asn Ile Ser Asn Tyr Ser Leu Val			
355	360	365	
Met Glu Ser Asp Ala Gly Thr Phe Leu Pro Thr Gly Leu Gln Phe Thr			
370	375	380	
Gly Ser Glu Lys Ala Arg Ala Ile Met Glu Glu Val Met Ser Leu Leu			
385	390	395	400
Gln Pro Leu Asn Ile Thr Gln Val Leu Ser His Gly Glu Gly Thr Asp			
405	410	415	
Ile Asn Phe Trp Ile Gln Ala Gly Val Pro Gly Ala Ser Leu Leu Asp			
420	425	430	
Asp Leu Tyr Lys Tyr Phe Phe His His Ser His Gly Asp Thr Met			
435	440	445	
Thr Val His Gly Ile Gln Thr Gln Met Asn Val Ala Ala Ala Val Trp			
450	455	460	
Ala Val Val Ser Tyr Val Val Ala Asp Met Glu Glu Met Leu Pro Arg			
465	470	475	480
Ser			
481			

<210> 1278
 <211> 428
 <212>Amino acid
 <213> Homo sapiens

<400> 1278			
Thr Lys Pro Arg Lys Arg Arg His Gln Pro Ala Ser Gln Arg Gln Arg			
1	5	10	15
Pro Trp Ser Ser Asp Ser Thr Gly Asp Leu Leu Ala Arg Gly Lys Gly			
20	25	30	
Arg Lys Glu Glu Asn Lys Gly Ser Asp Arg Val Ser Leu Ala Pro Pro			
35	40	45	
Ser Leu Arg Arg Pro Met Met Cys Gln Ser Glu Ala Arg Gln Gly Pro			
50	55	60	
Glu Leu Arg Ala Ala Lys Trp Leu His Phe Pro Gln Leu Ala Leu Arg			
65	70	75	80
Arg Arg Leu Gly Gln Leu Ser Cys Met Ser Arg Pro Ala Leu Lys Leu			
85	90	95	
Arg Ser Trp Pro Leu Thr Val Leu Tyr Leu Leu Pro Phe Gly Ala			
100	105	110	
Leu Arg Pro Leu Ser Arg Val Gly Trp Arg Pro Val Ser Arg Val Ala			
115	120	125	
Leu Tyr Lys Ser Val Pro Thr Arg Leu Leu Ser Arg Ala Trp Gly Arg			
130	135	140	
Leu Asn Gln Val Glu Leu Pro His Trp Leu Arg Arg Pro Val Tyr Ser			
145	150	155	160
Leu Tyr Ile Trp Thr Phe Gly Val Asn Met Lys Glu Ala Ala Val Glu			
165	170	175	
Asp Leu His His Tyr Arg Asn Leu Ser Glu Phe Phe Arg Arg Lys Leu			
180	185	190	
Lys Pro Gln Ala Arg Pro Val Cys Gly Leu His Ser Val Ile Ser Pro			
195	200	205	
Ser Asp Gly Arg Ile Leu Asn Phe Gly Gln Val Lys Asn Cys Glu Val			
210	215	220	
Glu Gln Val Lys Gly Val Thr Tyr Ser Leu Glu Ser Phe Leu Gly Pro			

225	230	235	240
Arg Met Cys Thr Glu Asp Leu Pro Phe Pro Pro Ala Ala Ser Cys Asp			
245	250	255	
Ser Phe Lys Asn Gln Leu Val Thr Arg Glu Gly Asn Glu Leu Tyr His			
260	265	270	
Cys Val Ile Tyr Leu Ala Pro Gly Asp Tyr His Cys Phe His Ser Pro			
275	280	285	
Thr Asp Trp Thr Val Ser His Arg Arg His Phe Pro Gly Ser Leu Met			
290	295	300	
Ser Val Asn Pro Gly Met Ala Arg Trp Ile Lys Glu Leu Phe Cys His			
305	310	315	320
Asn Glu Arg Val Val Leu Thr Gly Asp Trp Lys His Gly Phe Phe Ser			
325	330	335	
Leu Thr Ala Val Gly Ala Thr Asn Trp Gly Ser Ile Arg Ile Tyr Phe			
340	345	350	
Asp Arg Asp Leu His Thr Asn Ser Pro Arg His Ser Lys Gly Ser Tyr			
355	360	365	
Asn Asp Phe Ser Phe Val Thr His Thr Asn Arg Glu Gly Val Pro Met			
370	375	380	
Arg Lys Gly Glu His Leu Gly Glu Phe Asn Leu Gly Ser Thr Ile Val			
385	390	395	400
Leu Ile Phe Glu Ala Pro Lys Asp Phe Asn Phe Gln Leu Lys Thr Gly			
405	410	415	
Gln Lys Ile Arg Phe Gly Glu Ala Leu Gly Ser Leu			
420	425	428	

<210> 1279
 <211> 633
 <212>Amino acid
 <213> Homo sapiens

<400> 1279			
Leu Pro Glu Arg Ala Phe Gly Pro Arg Thr Pro Arg Ala Pro Arg Arg			
1	5	10	15
Arg Arg Arg Arg Leu Leu Leu Ser Pro Pro Pro Arg Pro Pro Pro			
20	25	30	
Leu Asp Arg Glu Pro Arg Ala Pro Gly Pro Trp Leu Cys Pro Ser Arg			
35	40	45	
Ala Gly Thr Ala Gln Asp Pro Ala Arg Ile Arg Glu Arg Arg Gly Arg			
50	55	60	
Val Ala Gly Gly Ala Ala Gly Pro Ala Met Glu Leu Arg Ala Arg Gly			
65	70	75	80
Trp Trp Leu Leu Cys Ala Ala Ala Leu Val Ala Cys Ala Arg Gly			
85	90	95	
Asp Pro Ala Ser Lys Ser Arg Ser Cys Gly Glu Val Arg Gln Ile Tyr			
100	105	110	
Gly Ala Lys Gly Phe Ser Ser Ser Asp Val Pro Gln Ala Glu Ile Ser			
115	120	125	
Gly Glu His Leu Arg Ile Cys Pro Gln Gly Tyr Thr Cys Cys Thr Ser			
130	135	140	
Glu Met Glu Glu Asn Leu Ala Asn Arg Ser His Ala Glu Leu Glu Thr			
145	150	155	160
Ala Leu Arg Asp Ser Ser Arg Val Leu Gln Ala Met Leu Ala Thr Gln			
165	170	175	
Leu Arg Ser Phe Asp Asp His Phe Gln His Leu Leu Asn Asp Ser Glu			
180	185	190	
Arg Thr Leu Gln Ala Thr Phe Pro Gly Ala Phe Gly Glu Leu Tyr Thr			
195	200	205	
Gln Asn Ala Arg Ala Phe Arg Asp Leu Tyr Ser Glu Leu Arg Leu Tyr			

210	215	220
Tyr Arg Gly Ala Asn Leu His Leu Glu Glu Thr Leu Ala Glu Phe Trp		
225	230	235
Ala Arg Leu Leu Glu Arg Leu Phe Lys Gln Leu His Pro Gln Leu Leu		240
245	250	255
Leu Pro Asp Asp Tyr Leu Asp Cys Leu Gly Lys Gln Ala Glu Ala Leu		
260	265	270
Arg Pro Phe Gly Glu Ala Pro Arg Glu Leu Arg Leu Arg Ala Thr Arg		
275	280	285
Ala Phe Val Ala Ala Arg Ser Phe Val Gln Gly Leu Gly Val Ala Ser		
290	295	300
Asp Val Val Arg Lys Val Ala Gln Val Pro Leu Gly Pro Glu Cys Ser		
305	310	315
Arg Ala Val Ile Glu Ala Gly Ser Tyr Cys Ala Leu His Cys Val Gly		320
325	330	335
Val Pro Gly Ala Arg Pro Cys Pro Asp Tyr Cys Arg Asn Val Leu Lys		
340	345	350
Gly Cys Leu Ala Asn Gln Ala Asp Leu Asp Ala Glu Trp Arg Asn Leu		
355	360	365
Leu Asp Ser Met Val Leu Ile Thr Asp Lys Phe Trp Gly Thr Ser Gly		
370	375	380
Val Glu Ser Val Ile Gly Ser Val His Thr Trp Leu Ala Glu Ala Ile		
385	390	395
Asn Ala Leu Gln Asp Asn Arg Asp Thr Leu Thr Ala Lys Val Ile Gln		400
405	410	415
Gly Cys Gly Asn Pro Lys Val Asn Pro Gln Gly Pro Gly Pro Glu Glu		
420	425	430
Lys Arg Arg Arg Gly Lys Leu Ala Pro Arg Glu Arg Pro Pro Ser Gly		
435	440	445
Thr Leu Glu Lys Leu Val Ser Glu Ala Lys Ala Gln Leu Arg Asp Val		
450	455	460
Gln Asp Phe Trp Ile Ser Leu Pro Gly Thr Leu Cys Ser Glu Lys Met		
465	470	475
Ala Leu Ser Thr Ala Ser Asp Asp Arg Cys Trp Asn Gly Met Ala Arg		480
485	490	495
Gly Arg Tyr Leu Pro Glu Val Met Gly Asp Gly Leu Ala Asn Gln Ile		
500	505	510
Asn Asn Pro Glu Val Glu Val Asp Ile Thr Lys Pro Asp Met Thr Ile		
515	520	525
Arg Gln Gln Ile Met Gln Leu Lys Ile Met Thr Asn Arg Leu Arg Ser		
530	535	540
Ala Tyr Asn Gly Asn Asp Val Asp Phe Gln Asp Ala Ser Asp Asp Gly		
545	550	555
Ser Gly Ser Gly Asp Gly Cys Leu Asp Asp Leu Cys Gly Arg		560
565	570	575
Lys Val Ser Arg Lys Ser Ser Ser Ser Arg Thr Pro Leu Thr His Ala		
580	585	590
Leu Pro Gly Leu Ser Glu Gln Glu Gly Gln Lys Thr Ser Ala Ala Ser		
595	600	605
Cys Pro Gln Pro Pro Thr Phe Leu Leu Pro Leu Leu Leu Phe Leu Ala		
610	615	620
Leu Thr Val Ala Arg Pro Arg Trp Arg		
625	630	633

<210> 1280

<211> 133

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(133)

<223> X = any amino acid or stop code

<400> 1280

Ala	Thr	Glu	Leu	Thr	Arg	Ala	Gly	Met	Glu	Ala	Ser	Ala	Leu	Thr	Lys
1						5			10					15	
Ser	Ala	Val	Thr	Ser	Val	Ala	Lys	Val	Val	Arg	Val	Ala	Ser	Gly	Ser
						20			25				30		
Ala	Val	Val	Leu	Pro	Leu	Ala	Arg	Ile	Ala	Thr	Ser	Cys	Asp	Xaa	Arg
						35			40			45			
Val	Gly	Gly	Pro	Val	Gln	Ala	Val	Pro	Met	Val	Leu	Ser	Ala	Met	Gly
						50			55			60			
Leu	Gln	Leu	Arg	Ala	Gly	Ile	Ala	Ser	Ser	Ile	Ala	Ala	Lys	Met	
						65			70			75		80	
Met	Ser	Ala	Ala	Ala	Ile	Ala	Asn	Gly	Gly	Val	Ser	Pro	Gly	Gln	
						85			90			95			
Pro	Leu	Trp	Leu	Leu	Gln	Ser	Leu	Gly	Ala	Thr	Gly	Leu	Ser	Gly	
						100			105			110			
Leu	Thr	Lys	Phe	Ile	Leu	Gly	Ser	Ile	Gly	Ser	Ala	Ile	Ala	Ala	Val
						115			120			125			
Ile	Ala	Arg	Phe	Tyr											
					130			133							

<210> 1281
<211> 457
<212>Amino acid
<213> Homo sapiens

<400> 1281

Thr	Asn	Gly	Arg	Asn	Leu	Leu	His	His	Trp	Ile	Leu	Gly	Val	Cys	Gly
1							5			10			15		
Met	His	Pro	His	His	Gln	Glu	Thr	Leu	Lys	Lys	Asn	Arg	Val	Val	Leu
							20			25			30		
Ala	Lys	Gln	Leu	Leu	Leu	Ser	Glu	Leu	Leu	Glu	His	Leu	Leu	Glu	Lys
							35			40			45		
Asp	Ile	Ile	Thr	Leu	Glu	Met	Arg	Glu	Leu	Ile	Gln	Ala	Lys	Val	Gly
						50			55			60			
Ser	Phe	Ser	Gln	Asn	Val	Glu	Leu	Leu	Asn	Leu	Leu	Pro	Lys	Arg	Gly
						65			70			75		80	
Pro	Gln	Ala	Phe	Asp	Ala	Phe	Cys	Glu	Ala	Leu	Arg	Glu	Thr	Lys	Gln
						85			90			95			
Gly	His	Leu	Glu	Asp	Met	Leu	Leu	Thr	Thr	Leu	Ser	Gly	Leu	Gln	His
						100			105			110			
Val	Leu	Pro	Pro	Leu	Ser	Cys	Asp	Tyr	Asp	Leu	Ser	Leu	Pro	Phe	Pro
						115			120			125			
Val	Cys	Glu	Ser	Cys	Pro	Leu	Tyr	Lys	Lys	Leu	Arg	Leu	Ser	Thr	Asp
						130			135			140			
Thr	Val	Glu	His	Ser	Leu	Asp	Asn	Lys	Asp	Gly	Pro	Val	Cys	Leu	Gln
						145			150			155		160	
Val	Lys	Pro	Cys	Thr	Pro	Glu	Phe	Tyr	Gln	Thr	His	Phe	Gln	Leu	Ala
						165			170			175			
Tyr	Arg	Leu	Gln	Ser	Arg	Pro	Arg	Gly	Leu	Ala	Leu	Val	Leu	Ser	Asn
						180			185			190			
Val	His	Phe	Thr	Gly	Glu	Lys	Glu	Leu	Glu	Phe	Arg	Ser	Gly	Gly	Asp
						195			200			205			
Val	Asp	His	Ser	Thr	Leu	Val	Thr	Leu	Phe	Lys	Leu	Leu	Gly	Tyr	Asp
						210			215			220			

Val His Val Leu Cys Asp Gln Thr Ala Gln Glu Met Gln Glu Lys Leu
 225 230 235 240
 Gln Asn Phe Ala Gln Leu Pro Ala His Arg Val Thr Asp Ser Cys Ile
 245 250 255
 Val Ala Leu Leu Ser His Gly Val Glu Gly Ala Ile Tyr Gly Val Asp
 260 265 270
 Gly Lys Leu Leu Gln Leu Gln Glu Val Phe Gln Leu Phe Asp Asn Ala
 275 280 285
 Asn Cys Pro Ser Leu Gln Asn Lys Pro Lys Met Phe Phe Ile Gln Ala
 290 295 300
 Cys Arg Gly Gly Ala Ile Gly Ser Leu Gly His Leu Leu Leu Phe Thr
 305 310 315 320
 Ala Ala Thr Ala Ser Leu Ala Leu Glu Thr Asp Arg Gly Val Asp Gln
 325 330 335
 Gln Asp Gly Lys Asn His Ala Gly Ser Pro Gly Cys Glu Glu Ser Asp
 340 345 350
 Ala Gly Lys Glu Lys Leu Pro Lys Met Arg Leu Pro Thr Arg Ser Asp
 355 360 365
 Met Ile Cys Gly Tyr Ala Cys Leu Lys Gly Thr Ala Ala Met Arg Asn
 370 375 380
 Thr Lys Arg Gly Ser Trp Tyr Ile Glu Ala Leu Ala Gln Val Phe Ser
 385 390 395 400
 Glu Arg Ala Cys Asp Met His Val Ala Asp Met Leu Val Lys Val Asn
 405 410 415
 Ala Leu Ile Lys Asp Arg Glu Gly Tyr Ala Pro Gly Thr Glu Phe His
 420 425 430
 Arg Cys Lys Glu Met Ser Glu Tyr Cys Ser Thr Leu Cys Arg His Leu
 435 440 445
 Tyr Leu Phe Pro Gly His Pro Pro Thr
 450 455 457

<210> 1282
 <211> 195
 <212>Amino acid
 <213> Homo sapiens

<400> 1282
 Val Arg Gly Lys Glu Val Met Ala Ala Leu Cys Arg Thr Arg Ala Val
 1 5 10 15
 Ala Ala Glu Ser His Phe Leu Arg Val Phe Leu Phe Phe Arg Pro Phe
 20 25 30
 Arg Gly Val Gly Thr Glu Ser Gly Ser Glu Ser Gly Ser Ser Asn Ala
 35 40 45
 Lys Glu Pro Lys Thr Arg Ala Gly Gly Phe Ala Ser Ala Leu Glu Arg
 50 55 60
 His Ser Glu Leu Leu Gln Lys Val Glu Pro Leu Gln Lys Gly Ser Pro
 65 70 75 80
 Lys Asn Val Glu Ser Phe Ala Ser Met Leu Arg His Ser Pro Leu Thr
 85 90 95
 Gln Met Gly Pro Ala Lys Asp Lys Leu Val Ile Gly Arg Ile Phe His
 100 105 110
 Ile Val Glu Asn Asp Leu Tyr Ile Asp Phe Gly Gly Lys Phe His Cys
 115 120 125
 Val Cys Arg Arg Pro Glu Val Asp Gly Glu Lys Tyr Gln Lys Gly Thr
 130 135 140
 Arg Val Arg Leu Arg Leu Leu Asp Leu Glu Leu Thr Ser Arg Phe Leu
 145 150 155 160
 Gly Ala Thr Thr Asp Thr Thr Val Leu Glu Ala Asn Ala Val Leu Leu
 165 170 175

Gly Ile Gln Glu Ser Lys Asp Ser Arg Ser Lys Glu Glu His Leu Glu
 180 185 190
 Lys Tyr Ile
 195

<210> 1283
 <211> 1499
 <212>Amino acid
 <213> Homo sapiens

<400> 1283
 Ile Pro Gly Ala Ser Pro Ala Pro Arg Arg Ala Ala Pro Leu Arg Leu
 1 5 10 15
 Gly Leu Arg Leu Ala Ser Gly Trp Ala Arg Ala Pro Gly Gly Val Ser
 20 25 30
 Pro Val Pro Gly Pro Gly Met Gly Gly Asp Ala Pro Thr Met Ala Arg
 35 40 45
 Ala Gln Ala Leu Val Leu Glu Leu Thr Phe Gln Leu Cys Ala Pro Glu
 50 55 60
 Thr Glu Thr Pro Glu Val Gly Cys Thr Phe Glu Glu Gly Ser Asp Pro
 65 70 75 80
 Ala Val Pro Cys Glu Tyr Ser Gln Ala Gln Tyr Asp Asp Phe Gln Trp
 85 90 95
 Glu Gln Val Arg Ile His Pro Gly Thr Arg Ala Pro Ala Asp Leu Pro
 100 105 110
 His Gly Ser Tyr Leu Met Val Asn Thr Ser Gln His Ala Pro Gly Gln
 115 120 125
 Arg Ala His Val Ile Phe Gln Ser Leu Ser Glu Asn Asp Thr His Cys
 130 135 140
 Val Gln Phe Ser Tyr Phe Leu Tyr Ser Arg Asp Gly His Ser Pro Gly
 145 150 155 160
 Thr Leu Gly Val Tyr Val Arg Val Asn Gly Gly Pro Leu Gly Ser Ala
 165 170 175
 Val Trp Asn Met Thr Gly Ser His Gly Arg Gln Trp His Gln Ala Glu
 180 185 190
 Leu Ala Val Ser Thr Phe Trp Pro Asn Glu Tyr Gln Val Leu Phe Glu
 195 200 205
 Ala Leu Ile Ser Pro Asp Arg Arg Gly Tyr Met Gly Leu Asp Asp Ile
 210 215 220
 Leu Leu Leu Ser Tyr Pro Cys Ala Lys Ala Pro His Phe Ser Arg Leu
 225 230 235 240
 Gly Asp Val Glu Val Asn Ala Gly Gln Asn Ala Ser Phe Gln Cys Met
 245 250 255
 Ala Ala Gly Arg Ala Ala Glu Ala Glu Arg Phe Leu Leu Gln Arg Gln
 260 265 270
 Ser Gly Ala Leu Val Pro Ala Ala Gly Val Arg His Ile Ser His Arg
 275 280 285
 Arg Phe Leu Ala Thr Phe Pro Leu Ala Ala Val Ser Arg Ala Glu Gln
 290 295 300
 Asp Leu Tyr Arg Cys Val Ser Gln Ala Pro Arg Gly Arg Gly Thr Ser
 305 310 315 320
 Leu Asn Phe Ala Glu Phe Met Val Lys Glu Pro Pro Thr Pro Ile Ala
 325 330 335
 Pro Pro Gln Leu Leu Arg Ala Gly Pro Thr Tyr Leu Ile Ile Gln Leu
 340 345 350
 Asn Thr Asn Ser Ile Ile Gly Asp Gly Pro Ile Val Arg Lys Glu Ile
 355 360 365
 Glu Tyr Arg Met Ala Arg Gly Pro Trp Ala Glu Val His Ala Val Ser
 370 375 380

Leu Gln Thr Tyr Lys Leu Trp His Leu Asp Pro Asp Thr Glu Tyr Glu
 385 390 395 400
 Ile Ser Val Leu Leu Thr Arg Pro Gly Asp Gly Gly Thr Gly Arg Pro
 405 410 415
 Gly Pro Pro Leu Ile Ser Arg Thr Lys Cys Ala Glu Pro Met Arg Ala
 420 425 430
 Pro Lys Gly Leu Ala Phe Ala Glu Ile Gln Ala Arg Gln Leu Thr Leu
 435 440 445
 Gln Trp Glu Pro Leu Gly Tyr Asn Val Thr Arg Cys His Thr Tyr Thr
 450 455 460
 Val Ser Leu Cys Tyr His Tyr Thr Leu Gly Ser Ser His Asn Gln Thr
 465 470 475 480
 Ile Arg Glu Cys Val Lys Thr Glu Gln Gly Val Ser Arg Tyr Thr Met
 485 490 495
 Lys Asn Leu Leu Pro Tyr Arg Asn Val His Val Arg Leu Val Leu Thr
 500 505 510
 Asn Pro Glu Gly Arg Lys Glu Gly Lys Glu Val Thr Phe Gln Thr Asp
 515 520 525
 Glu Asp Val Pro Ser Gly Ile Ala Ala Glu Ser Leu Thr Phe Thr Pro
 530 535 540
 Leu Glu Asp Met Ile Phe Leu Lys Trp Glu Glu Pro Gln Glu Pro Asn
 545 550 555 560
 Gly Leu Ile Thr Gln Tyr Glu Ile Ser Tyr Gln Ser Ile Glu Ser Ser
 565 570 575
 Asp Pro Ala Val Asn Val Pro Gly Pro Arg Arg Thr Ile Ser Lys Leu
 580 585 590
 Arg Asn Glu Thr Tyr His Val Phe Ser Asn Leu His Pro Gly Thr Thr
 595 600 605
 Tyr Leu Phe Ser Val Arg Ala Arg Thr Gly Lys Gly Phe Gly Gln Ala
 610 615 620
 Ala Leu Thr Glu Ile Thr Asn Ile Ser Ala Pro Ser Phe Asp Tyr
 625 630 635 640
 Ala Asp Met Pro Ser Pro Leu Gly Glu Ser Glu Asn Thr Ile Thr Val
 645 650 655
 Leu Leu Arg Pro Ala Gln Gly Arg Gly Ala Pro Ile Ser Val Tyr Gln
 660 665 670
 Val Ile Val Glu Glu Gln Gly Ser Arg Arg Leu Arg Arg Glu Pro
 675 680 685
 Gly Gly Gln Asp Cys Phe Pro Val Pro Leu Thr Phe Glu Ala Ala Leu
 690 695 700
 Ala Arg Gly Leu Val Asp Tyr Phe Gly Ala Glu Leu Ala Ala Ser Ser
 705 710 715 720
 Leu Pro Glu Ala Met Pro Phe Thr Val Gly Asp Asn Lys Thr Tyr Arg
 725 730 735
 Gly Phe Trp Asn Pro Pro Leu Glu Pro Arg Lys Ala Tyr Leu Ile Tyr
 740 745 750
 Phe Gln Ala Ala Ser His Leu Lys Gly Glu Thr Arg Leu Asn Cys Ile
 755 760 765
 Arg Ile Ala Arg Lys Ala Ala Cys Lys Glu Ser Lys Arg Pro Leu Glu
 770 775 780
 Val Ser Gln Arg Ser Glu Glu Met Gly Leu Ile Leu Gly Ile Cys Ala
 785 790 795 800
 Gly Gly Leu Ala Val Leu Ile Leu Leu Gly Ala Ile Ile Val Ile
 805 810 815
 Ile Arg Lys Gly Arg Asp His Tyr Ala Tyr Ser Tyr Tyr Pro Lys Pro
 820 825 830
 Val Asn Met Thr Lys Ala Thr Val Asn Tyr Arg Gln Glu Lys Thr His
 835 840 845
 Met Met Ser Ala Val Asp Arg Ser Phe Thr Asp Gln Ser Thr Leu Gln
 850 855 860
 Glu Asp Glu Arg Leu Gly Leu Ser Phe Met Asp Thr His Gly Tyr Ser
 865 870 875 880
 Thr Arg Gly Asp Gln Arg Ser Gly Gly Val Thr Glu Ala Ser Ser Leu
 885 890 895

Leu Gly Gly Ser Pro Arg Arg Pro Cys Gly Arg Lys Gly Ser Pro Tyr
 900 905 910
 His Thr Gly Gln Leu His Pro Ala Val Arg Val Ala Asp Leu Leu Gln
 915 920 925
 His Ile Asn Gln Met Lys Thr Ala Glu Gly Tyr Gly Phe Lys Gln Glu
 930 935 940
 Tyr Glu Ser Phe Phe Glu Gly Trp Asp Ala Thr Lys Lys Lys Asp Lys
 945 950 955 960
 Val Lys Gly Ser Arg Gln Glu Pro Met Pro Ala Tyr Asp Arg His Arg
 965 970 975
 Val Lys Leu His Pro Met Leu Gly Asp Pro Asn Ala Asp Tyr Ile Asn
 980 985 990
 Ala Asn Tyr Ile Asp Ile Arg Ile Asn Arg Glu Gly Tyr His Arg Ser
 995 1000 1005
 Asn His Phe Ile Ala Thr Gln Gly Pro Lys Pro Glu Met Val Tyr Asp
 1010 1015 1020
 Phe Trp Arg Met Val Trp Gln Glu His Cys Ser Ser Ile Val Met Ile
 1025 1030 1035 1040
 Thr Lys Leu Val Glu Val Gly Arg Val Lys Cys Ser Arg Tyr Trp Pro
 1045 1050 1055
 Glu Asp Ser Asp Thr Tyr Gly Asp Ile Lys Ile Met Leu Val Lys Thr
 1060 1065 1070
 Glu Thr Leu Ala Glu Tyr Val Val Arg Thr Phe Ala Leu Glu Arg Arg
 1075 1080 1085
 Gly Tyr Ser Ala Arg His Glu Val Arg Gln Phe His Phe Thr Ala Trp
 1090 1095 1100
 Pro Glu His Gly Val Pro Tyr His Ala Thr Gly Leu Leu Ala Phe Ile
 1105 1110 1115 1120
 Arg Arg Val Lys Ala Ser Thr Pro Pro Asp Ala Gly Pro Ile Val Ile
 1125 1130 1135
 His Cys Ser Ala Gly Thr Gly Arg Thr Gly Cys Tyr Ile Val Leu Asp
 1140 1145 1150
 Val Met Leu Asp Met Ala Glu Cys Glu Gly Val Val Asp Ile Tyr Asn
 1155 1160 1165
 Cys Val Lys Thr Leu Cys Ser Arg Arg Val Asn Met Ile Gln Thr Glu
 1170 1175 1180
 Glu Gln Tyr Ile Phe Ile His Asp Ala Ile Leu Glu Ala Cys Leu Cys
 1185 1190 1195 1200
 Gly Glu Thr Thr Ile Pro Val Ser Glu Phe Lys Ala Thr Tyr Lys Glu
 1205 1210 1215
 Met Ile Arg Ile Asp Pro Gln Ser Asn Ser Gln Leu Arg Glu Glu
 1220 1225 1230
 Phe Gln Thr Leu Asn Ser Val Thr Pro Pro Leu Asp Val Glu Glu Cys
 1235 1240 1245
 Ser Ile Ala Leu Leu Pro Arg Asn Arg Asp Lys Asn Arg Ser Met Asp
 1250 1255 1260
 Val Leu Pro Pro Asp Arg Cys Leu Pro Phe Leu Ile Ser Thr Asp Gly
 1265 1270 1275 1280
 Asp Ser Asn Asn Tyr Ile Asn Ala Ala Leu Thr Asp Ser Tyr Thr Arg
 1285 1290 1295
 Ser Ala Ala Phe Ile Val Thr Leu His Pro Leu Gln Ser Thr Thr Pro
 1300 1305 1310
 Asp Phe Trp Gly Leu Val Tyr Asp Tyr Gly Cys Thr Ser Ile Val Met
 1315 1320 1325
 Leu Asn Gln Leu Asn Gln Ser Asn Ser Ala Trp Pro Cys Leu Gln Tyr
 1330 1335 1340
 Trp Pro Glu Pro Gly Arg Gln Gln Tyr Gly Leu Met Glu Val Glu Phe
 1345 1350 1355 1360
 Met Ser Gly Thr Ala Asp Glu Asp Leu Val Ala Arg Val Phe Arg Val
 1365 1370 1375
 Gln Asn Ile Ser Arg Leu Gln Glu Gly His Leu Leu Val Arg His Phe
 1380 1385 1390
 Gln Phe Leu Arg Trp Ser Ala Tyr Arg Asp Thr Pro Asp Ser Lys Lys
 1395 1400 1405

Ala Phe Leu His Leu Leu Ala Glu Gly Asp Lys Trp Gln Ala Glu Ser
 1410 1415 1420
 Gly Asp Gly Arg Thr Ile Val His Cys Leu Asn Gly Gly Arg Ser
 1425 1430 1435 1440
 Gly Thr Phe Cys Ala Cys Ala Thr Val Leu Glu Met Ile Arg Cys His
 1445 1450 1455
 Asn Leu Val Asp Val Phe Phe Ala Ala Lys Thr Leu Arg Asn Tyr Lys
 1460 1465 1470
 Pro Asn Met Val Glu Thr Met Asp Gln Tyr His Phe Cys Tyr Asp Val
 1475 1480 1485
 Ala Leu Glu Tyr Leu Glu Gly Leu Glu Ser Arg
 1490 1495 1499

<210> 1284
 <211> 430
 <212>Amino acid
 <213> Homo sapiens

<400> 1284
 Thr Lys Pro Arg Lys Arg Arg His Gln Pro Ala Ser Gln Arg Gln Arg
 1 5 10 15
 Pro Trp Ser Ser Asp Ser Thr Gly Asp Leu Leu Ala Arg Gly Lys Gly
 20 25 30
 Arg Lys Glu Glu Asn Lys Gly Ser Asp Arg Val Ser Leu Ala Pro Pro
 35 40 45
 Ser Leu Arg Arg Pro Met Met Cys Gln Ser Glu Ala Arg Gln Gly Pro
 50 55 60
 Glu Leu Arg Ala Ala Lys Trp Leu His Phe Pro Gln Leu Ala Leu Arg
 65 70 75 80
 Arg Arg Leu Gly Gln Leu Ser Cys Met Ser Arg Pro Ala Leu Lys Leu
 85 90 95
 Arg Ser Trp Pro Leu Thr Val Leu Tyr Tyr Leu Leu Pro Phe Gly Ala
 100 105 110
 Leu Arg Pro Leu Ser Arg Val Gly Trp Arg Pro Val Ser Arg Val Ala
 115 120 125
 Leu Tyr Lys Ser Val Pro Thr Arg Leu Leu Ser Arg Ala Trp Gly Arg
 130 135 140
 Leu Asn Gln Val Glu Leu Pro His Trp Leu Arg Arg Pro Val Tyr Ser
 145 150 155 160
 Leu Tyr Ile Trp Thr Phe Gly Val Asn Met Lys Glu Ala Ala Val Glu
 165 170 175
 Asp Leu His His Tyr Arg Asn Leu Ser Glu Phe Phe Arg Arg Lys Leu
 180 185 190
 Lys Pro Gln Ala Arg Pro Val Cys Gly Leu His Ser Val Ile Ser Pro
 195 200 205
 Ser Asp Gly Arg Ile Leu Asn Phe Gly Gln Val Lys Asn Cys Glu Val
 210 215 220
 Glu Gln Val Lys Gly Val Thr Tyr Ser Leu Glu Ser Phe Leu Gly Pro
 225 230 235 240
 Arg Met Cys Thr Glu Asp Leu Pro Phe Pro Pro Ala Ala Ser Cys Asp
 245 250 255
 Ser Phe Lys Asn Gln Leu Val Thr Arg Glu Gly Asn Glu Leu Tyr His
 260 265 270
 Cys Val Ile Tyr Leu Ala Pro Gly Asp Tyr His Cys Phe His Ser Pro
 275 280 285
 Thr Asp Trp Thr Val Ser His Arg Arg His Phe Pro Gly Ser Leu Met
 290 295 300
 Ser Val Asn Pro Gly Met Ala Arg Trp Ile Lys Glu Leu Phe Cys His
 305 310 315 320

Asn Glu Arg Val Val Leu Thr Gly Asp Trp Lys His Gly Phe Phe Ser
 325 330 335
 Leu Thr Ala Val Gly Ala Thr Asn Trp Gly Ser Ile Arg Ile Tyr Phe
 340 345 350
 Asp Arg Asp Leu His Thr Asn Ser Pro Arg His Ser Lys Gly Ser Tyr
 355 360 365
 Asn Asp Phe Ser Phe Val Thr His Thr Asn Arg Glu Gly Val Pro Met
 370 375 380
 Ala Leu Arg Gly Glu His Leu Gly Gln Ser Phe Asn Leu Gly Ser Thr
 385 390 395 400
 Ile Val Leu Ile Phe Glu Ala Pro Lys Asp Phe Asn Phe Gln Leu Lys
 405 410 415
 Thr Gly Gln Lys Ile Arg Phe Gly Glu Ala Leu Gly Ser Leu
 420 425 430

<210> 1285
 <211> 957
 <212>Amino acid
 <213> Homo sapiens

<400> 1285
 Ala Glu Leu Gly Leu Phe Gly Ser Leu Arg Phe Ser Ser Leu Leu His
 1 5 10 15
 Phe Pro Pro Arg Pro Arg Ser Pro Ala Ser Ala Cys Gly Pro Gly Glu
 20 25 30
 Gly Arg Met Glu Arg Gly Leu Pro Leu Leu Cys Ala Val Leu Ala Leu
 35 40 45
 Val Leu Ala Pro Ala Gly Ala Phe Arg Asn Asp Lys Cys Gly Asp Thr
 50 55 60
 Ile Lys Ile Glu Ser Pro Gly Tyr Leu Thr Ser Pro Gly Tyr Pro His
 65 70 75 80
 Ser Tyr His Pro Ser Glu Lys Cys Glu Trp Leu Ile Gln Ala Pro Asp
 85 90 95
 Pro Tyr Gln Arg Ile Met Ile Asn Phe Asn Pro His Phe Asp Leu Glu
 100 105 110
 Asp Arg Asp Cys Lys Tyr Asp Tyr Val Glu Val Phe Asp Gly Glu Asn
 115 120 125
 Glu Asn Gly His Phe Arg Gly Lys Phe Cys Gly Lys Ile Ala Pro Pro
 130 135 140
 Pro Val Val Ser Ser Gly Pro Phe Leu Phe Ile Lys Phe Val Ser Asp
 145 150 155 160
 Tyr Glu Thr His Gly Ala Gly Phe Ser Ile Arg Tyr Glu Ile Phe Lys
 165 170 175
 Arg Gly Pro Glu Cys Ser Gln Asn Tyr Thr Pro Ser Gly Val Ile
 180 185 190
 Lys Ser Pro Gly Phe Pro Glu Lys Tyr Pro Asn Ser Leu Glu Cys Thr
 195 200 205
 Tyr Ile Val Phe Ala Pro Lys Met Ser Glu Ile Ile Leu Asp Phe Glu
 210 215 220
 Ser Phe Asp Leu Glu Pro Asp Ser Asn Pro Pro Gly Gly Met Phe Cys
 225 230 235 240
 Arg Tyr Asp Arg Leu Glu Ile Trp Asp Gly Phe Pro Asp Val Gly Pro
 245 250 255
 His Ile Gly Arg Tyr Cys Gly Gln Lys Thr Pro Gly Arg Ile Arg Ser
 260 265 270
 Ser Ser Gly Ile Leu Ser Met Val Phe Tyr Thr Asp Ser Ala Ile Ala
 275 280 285
 Lys Glu Gly Phe Ser Ala Asn Tyr Ser Val Leu Gln Ser Ser Val Ser
 290 295 300

Glu Asp Phe Lys Cys Met Glu Ala Leu Gly Met Glu Ser Gly Glu Ile
 305 310 315 320
 His Ser Asp Gln Ile Thr Ala Ser Ser Gln Tyr Ser Thr Asn Trp Ser
 325 330 335
 Ala Glu Arg Ser Arg Leu Asn Tyr Pro Glu Asn Gly Trp Thr Pro Gly
 340 345 350
 Glu Asp Ser Tyr Arg Glu Trp Ile Gln Val Asp Leu Gly Leu Leu Arg
 355 360 365
 Phe Val Thr Ala Val Gly Thr Gln Gly Ala Ile Ser Lys Glu Thr Lys
 370 375 380
 Lys Lys Tyr Tyr Val Lys Thr Tyr Lys Ile Asp Val Ser Ser Asn Gly
 385 390 395 400
 Glu Asp Trp Ile Thr Ile Lys Glu Gly Asn Lys Pro Val Leu Phe Gln
 405 410 415
 Gly Asn Thr Asn Pro Thr Asp Val Val Ala Val Phe Pro Lys Pro
 420 425 430
 Leu Ile Thr Arg Phe Val Arg Ile Lys Pro Ala Thr Trp Glu Thr Gly
 435 440 445
 Ile Ser Met Arg Phe Glu Val Tyr Gly Cys Lys Ile Thr Asp Tyr Pro
 450 455 460
 Cys Ser Gly Met Leu Gly Met Val Ser Gly Leu Ile Ser Asp Ser Gln
 465 470 475 480
 Ile Thr Ser Ser Asn Gln Gly Asp Arg Asn Trp Met Pro Glu Asn Ile
 485 490 495
 Arg Leu Val Thr Ser Arg Ser Gly Trp Ala Leu Pro Pro Ala Pro His
 500 505 510
 Ser Tyr Ile Asn Glu Trp Leu Gln Ile Asp Leu Gly Glu Glu Lys Ile
 515 520 525
 Val Arg Gly Ile Ile Ile Gln Gly Gly Lys His Arg Glu Asn Lys Val
 530 535 540
 Phe Met Arg Lys Phe Lys Ile Gly Tyr Ser Asn Asn Gly Ser Asp Trp
 545 550 555 560
 Lys Met Ile Met Asp Asp Ser Lys Arg Lys Ala Lys Ser Phe Glu Gly
 565 570 575
 Asn Asn Asn Tyr Asp Thr Pro Glu Leu Arg Thr Phe Pro Ala Leu Ser
 580 585 590
 Thr Arg Phe Ile Arg Ile Tyr Pro Glu Arg Ala Thr His Gly Gly Leu
 595 600 605
 Gly Leu Arg Met Glu Leu Leu Gly Cys Glu Val Glu Ala Pro Thr Ala
 610 615 620
 Gly Pro Thr Thr Pro Asn Gly Asn Leu Val Asp Glu Cys Asp Asp Asp
 625 630 635 640
 Gln Ala Asn Cys His Ser Gly Thr Gly Asp Asp Phe Gln Leu Thr Gly
 645 650 655
 Gly Thr Thr Val Leu Ala Thr Glu Lys Pro Thr Val Ile Asp Ser Thr
 660 665 670
 Ile Gln Ser Glu Phe Pro Thr Tyr Gly Phe Asn Cys Glu Phe Gly Trp
 675 680 685
 Gly Ser His Lys Thr Phe Cys His Trp Glu His Asp Asn His Val Gln
 690 695 700
 Leu Lys Trp Ser Val Leu Thr Ser Lys Thr Gly Pro Ile Gln Asp His
 705 710 715 720
 Thr Gly Asp Gly Asn Phe Ile Tyr Ser Gln Ala Asp Glu Asn Gln Lys
 725 730 735
 Gly Lys Val Ala Arg Leu Val Ser Pro Val Val Tyr Ser Gln Asn Ser
 740 745 750
 Ala His Cys Met Thr Phe Trp Tyr His Met Ser Gly Ser His Val Gly
 755 760 765
 Thr Leu Arg Val Lys Leu Arg Tyr Gln Lys Pro Glu Glu Tyr Asp Gln
 770 775 780
 Leu Val Trp Met Ala Ile Gly His Gln Gly Asp His Trp Lys Glu Gly
 785 790 795 800
 Arg Val Leu Leu His Lys Ser Leu Lys Leu Tyr Gln Val Ile Phe Glu
 805 810 815

Gly Glu Ile Gly Lys Gly Asn Leu Gly Gly Ile Ala Val Asp Asp Ile
 820 825 830
 Ser Ile Asn Asn His Ile Ser Gln Glu Asp Cys Ala Lys Pro Ala Asp
 835 840 845
 Leu Asp Lys Lys Asn Pro Glu Ile Lys Ile Asp Glu Thr Gly Ser Thr
 850 855 860
 Pro Gly Tyr Glu Gly Glu Gly Asp Lys Asn Ile Ser Arg Lys
 865 870 875 880
 Pro Gly Asn Val Leu Lys Thr Leu Glu Pro Ile Leu Ile Thr Ile Ile
 885 890 895
 Ala Met Ser Ala Leu Gly Val Leu Leu Gly Ala Val Cys Gly Val Val
 900 905 910
 Leu Tyr Cys Ala Cys Trp His Asn Gly Met Ser Glu Arg Asn Leu Ser
 915 920 925
 Ala Leu Glu Asn Tyr Asn Phe Glu Leu Val Asp Gly Val Lys Leu Lys
 930 935 940
 Lys Asp Lys Leu Asn Thr Gln Ser Thr Tyr Ser Glu Ala
 945 950 955 957

<210> 1286

<211> 173

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(173)

<223> X = any amino acid or stop code

<400> 1286

His Glu Gly Ser Ala Leu Thr Trp Ala Ser His Tyr Gln Glu Arg Leu
 1 5 10 15
 Asn Ser Glu Gln Ser Cys Leu Asn Glu Trp Thr Ala Met Ala Asp Leu
 20 25 30
 Glu Ser Leu Arg Pro Pro Ser Ala Glu Pro Gly Gly Ser Val Cys Gly
 35 40 45
 Gly Glu Gly Leu Gly Gly Glu Gly Arg Ile Met Gln Trp Gly Ala
 50 55 60
 Trp Trp Arg Gly Glu Arg Ala Pro Xaa Leu Arg Gly Ser Ala Pro Arg
 65 70 75 80
 Ser Ser Glu Gln Glu Gln Met Glu Gln Ala Ile Arg Ala Glu Leu Trp
 85 90 95
 Lys Val Leu Asp Val Ser Asp Leu Glu Ser Val Thr Ser Lys Glu Ile
 100 105 110
 Arg Gln Ala Leu Glu Leu Arg Leu Gly Leu Pro Leu Gln Pro Val Pro
 115 120 125
 Xaa Leu His Arg Gln Pro Asp Ala Ala Ala Gly Gly Thr Ala Gly Pro
 130 135 140
 Ser Leu Pro His Leu Pro Pro Pro Leu Pro Gly Leu Arg Val Glu Arg
 145 150 155 160
 Ser Lys Pro Gly Gly Ala Ala Glu Glu Gln Val Gly Leu
 165 170 173

<210> 1287

<211> 181

<212>Amino acid

<213> Homo sapiens

<400> 1287

Met Ala Ala Leu Asp Leu Arg Ala Glu Leu Asp Ser Leu Val Leu Gln
 1 5 10 15
 Leu Leu Gly Asp Leu Glu Glu Leu Glu Gly Lys Arg Thr Val Leu Asn
 20 25 30
 Ala Arg Val Glu Glu Gly Trp Leu Ser Leu Ala Lys Ala Arg Tyr Ala
 35 40 45
 Met Gly Ala Lys Ser Val Gly Pro Leu Gln Tyr Ala Ser His Met Glu
 50 55 60
 Pro Gln Val Cys Leu His Ala Ser Glu Ala Gln Glu Gly Leu Gln Lys
 65 70 75 80
 Phe Lys Val Val Arg Ala Gly Val His Ala Pro Glu Glu Val Gly Pro
 85 90 95
 Arg Glu Ala Gly Leu Arg Arg Lys Gly Pro Thr Lys Thr Pro Glu
 100 105 110
 Pro Glu Ser Ser Glu Ala Pro Gln Asp Pro Leu Asn Trp Phe Gly Ile
 115 120 125
 Leu Val Pro His Ser Leu Arg Gln Ala Gln Ala Ser Phe Arg Asp Gly
 130 135 140
 Leu Gln Leu Ala Ala Asp Ile Ala Ser Leu Gln Asn Arg Ile Asp Trp
 145 150 155 160
 Gly Arg Ser Gln Leu Arg Gly Leu Gln Glu Lys Leu Lys Gln Leu Glu
 165 170 175
 Pro Gly Ala Ala *
 180

<210> 1288

<211> 216

<212>Amino acid

<213> Homo sapiens

<400> 1288

His Ser Asp Val Gly Ala Ala Thr Ala Val Leu Pro Leu Leu Thr Ala
 1 5 10 15
 Val Leu Gly Val Thr Val Val Thr Arg Arg Asp Thr Glu Gly Pro Gly
 20 25 30
 Arg Ala Ala Leu Val His Leu Thr Gly Ser Pro Arg Gln Lys Val Gly
 35 40 45
 Thr Ser Gly Arg Glu Gly Leu Pro Gly Leu Gly Ala Ser Cys Ala Glu
 50 55 60
 Ser Glu Leu Glu Arg Glu Thr Gln Glu Pro Arg Ser Arg Gly Arg Cys
 65 70 75 80
 Ile Phe Gly Ala Ala Arg Trp Arg Gln Val Pro Leu Ala Ser Pro Gln
 85 90 95
 Arg Pro Phe Leu Leu Ser Pro Gly Pro Arg Leu His Arg Met Gly Leu
 100 105 110
 Pro Val Ser Trp Ala Pro Pro Ala Leu Trp Val Leu Gly Cys Cys Ala
 115 120 125
 Leu Leu Leu Ser Leu Trp Ala Leu Cys Thr Ala Cys Arg Arg Pro Glu
 130 135 140
 Asp Ala Val Ala Pro Arg Lys Arg Ala Arg Arg Gln Arg Ala Arg Leu
 145 150 155 160
 Gln Gly Ser Ala Thr Ala Ala Glu Ala Val Ser Ala Lys Leu Ser Arg
 165 170 175
 Gly Pro Gly Trp Gly Pro Gln Gly Thr Asp Gln Pro Ser Ser Pro Pro

180	185	190
Val Pro Thr Glu Ala Asp Pro Pro Leu Leu Pro Gln Gln Val Gly His		
195	200	205
Gln Thr Ala Arg Ala Ala Pro Gly		
210	215 216	

<210> 1289
<211> 148
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(148)
<223> X = any amino acid or stop code

<400> 1289		
Leu Thr Gly Pro Gly Gln Arg Leu Ala Gly Thr Thr Glu Gly Pro Arg		
1	5	10
Arg Cys Arg Gly Ser Ser Gln Ala Pro Thr Pro Thr Trp Lys Leu Val		
20	25	30
Asp Thr Arg Leu Cys Ala Ala Ala Pro Trp Leu Ala Ser Arg Ala Pro		
35	40	45
Gly His Tyr Ser Gln Met Leu Leu Val Asn Xaa Pro Cys Arg Lys Asp		
50	55	60
Trp Leu Val Ser Lys Trp Met Arg Thr Pro Val Cys Gly Gln Ser Pro		
65	70	75
Ala Met Thr Asp Arg Pro Arg Ser Glu Ala Gly Arg Asp His Arg Arg		
85	90	95
Ala Lys Ala Leu Pro Gly Leu Ile Pro Gly Ser Asn Pro Asn Leu Glu		
100	105	110
Ala Cys Gly His Gln Ala Leu Cys Ser Ser Ser Val Ala Ser Val Gln		
115	120	125
Gly Pro Trp Pro Leu Leu Pro Asn Ala Ser Ser Pro Pro Thr Pro Gly		
130	135	140
Gln Pro Gln Pro		
145	148	

<210> 1290
<211> 170
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(170)
<223> X = any amino acid or stop code

<400> 1290		
Lys His Arg Leu Cys Ser Leu Glu Gln Leu Met Thr Leu Ile Ser Ala		
1	5	10
Ala Arg Glu Tyr Glu Ile Glu Phe Ile Tyr Ala Ile Ser Pro Gly Leu		
20	25	30
Asp Ile Thr Phe Ser Asn Pro Lys Glu Val Ser Thr Leu Lys Arg Lys		

35	40	45
Leu Asp Gln Val Ser Gln Phe Gly Cys Arg Ser Phe Ala Leu Leu Phe		
50	55	60
Asp Asp Ile Asp His Asn Met Cys Ala Ala Asp Lys Glu Val Phe Ser		
65	70	75
Ser Phe Ala His Ala Gln Val Ser Ile Thr Asn Glu Ile Tyr Gln Tyr		
85	90	95
Leu Gly Glu Pro Glu Thr Phe Leu Phe Cys Pro Thr Glu Tyr Cys Ile		
100	105	110
Xaa Trp Leu Tyr Ile Xaa Leu Val Phe Leu Glu Tyr Ile Thr Tyr Lys		
115	120	125
Gly Pro Trp Ala Pro Phe Ser Leu His Phe Pro Pro Pro Leu Val Cys		
130	135	140
Lys Ser Arg Asn Leu Phe Leu Glu Asp Ile Phe Gln Asp Pro Lys Leu		
145	150	155
Glu Lys Phe Xaa Glu Leu Ile Asn Asp Asn		
165	170	160

<210> 1291
 <211> 98
 <212>Amino acid
 <213> Homo sapiens

<400> 1291		
Thr Ser Ala Leu Thr Gln Gly Leu Glu Arg Ile Pro Asp Gln Leu Gly		
1	5	10
Tyr Leu Val Leu Ser Glu Gly Ala Val Leu Ala Ser Ser Gly Asp Leu		
20	25	30
Glu Asn Asp Glu Gln Ala Ala Ser Ala Ile Ser Glu Leu Val Ser Thr		
35	40	45
Ala Cys Gly Phe Arg Leu His Arg Gly Met Asn Val Pro Phe Lys Arg		
50	55	60
Leu Ser Val Val Phe Gly Glu His Thr Leu Leu Val Thr Val Ser Gly		
65	70	75
Gln Arg Val Phe Val Val Lys Arg Gln Asn Arg Gly Arg Glu Pro Ile		
85	90	95
Asp Val		
98		

<210> 1292
 <211> 142
 <212>Amino acid
 <213> Homo sapiens

<400> 1292		
Ala Lys Arg Ala Glu Arg Thr Ser Arg Leu Gln Gly Leu Gln His Pro		
1	5	10
Ser Pro Pro Tyr Pro Pro Ala Thr Leu Gly Val Thr Pro Gly Gln Asp		
20	25	30
Arg Thr Leu Gln Leu Gln His Gln Cys Pro Ala Gly Arg Lys Ser Arg		
35	40	45
Lys Lys Lys Ser Lys Ala Thr Gln Leu Ser Pro Glu Asp Arg Val Glu		
50	55	60
Asp Ala Leu Pro Pro Ser Lys Ala Pro Ser Arg Thr Arg Arg Ala Lys		

65	70	75	80
Arg Asp Leu Pro Lys Arg Thr Ala Thr Gln Arg Pro Glu Gly Thr Ser			
85	90	95	
Leu Gln Gln Asp Pro Glu Ala Pro Thr Val Pro Lys Lys Gly Arg Arg			
100	105	110	
Lys Gly Arg Gln Ala Ala Ser Gly His Cys Arg Pro Arg Lys Val Lys			
115	120	125	
Ala Asp Ile Pro Ser Leu Glu Pro Glu Gly Thr Ser Ala Ser			
130	135	140	142

<210> 1293
<211> 89
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(89)
<223> X = any amino acid or stop code

<400> 1293			
Arg Lys Ser Ser Trp Leu Gly Ala Val Ala His Ala Cys Asn Pro Ser			
1	5	10	15
Ser Leu Gly Gly Pro Gly Arg Gln Ile Thr Arg Ser Gly Val Arg Asp			
20	25	30	
Gln Pro Gly Gln Tyr Gly Glu Thr Pro Ser Leu Leu Lys Ile Gln Thr			
35	40	45	
Leu Ala Gly Arg Gly Gly Ala Cys Leu Xaa Ser His Ile Leu Arg Arg			
50	55	60	
Leu Arg Gln Lys Asn Arg Leu Asn Leu Gly Gly Arg Gly Cys Ser Glu			
65	70	75	80
Leu Arg Ser Arg His Cys Ala Pro Ala			
85	89		

<210> 1294
<211> 80
<212>Amino acid
<213> Homo sapiens

<400> 1294			
Ala Trp Asn Ser Ala Arg Gly Ala Val Ser Pro Leu Trp Val Pro Gly			
1	5	10	15
Cys Phe Leu Thr Leu Ser Val Thr Trp Ile Gly Ala Ala Pro Leu Ile			
20	25	30	
Leu Ser Arg Ile Val Gly Gly Trp Glu Cys Glu Lys His Ser Gln Pro			
35	40	45	
Trp Gln Val Leu Val Ala Ser Arg Gly Arg Ala Val Cys Gly Gly Val			
50	55	60	
Leu Val His Pro Gln Trp Val Leu Thr Ala Ala His Cys Ile Arg Lys			
65	70	75	80

<210> 1295
<211> 281
<212>Amino acid
<213> Homo sapiens

<400> 1295
Ala Glu Met Ala Asp Asp Leu Gly Asp Glu Trp Trp Glu Asn Gln Pro
1 5 10 15
Thr Gly Ala Gly Ser Ser Pro Glu Ala Ser Asp Gly Glu Gly Glu Gly
20 25 30
Asp Thr Glu Val Met Gln Gln Glu Thr Val Pro Val Pro Val Pro Ser
35 40 45
Glu Lys Thr Lys Gln Pro Lys Glu Cys Phe Leu Ile Gln Pro Lys Glu
50 55 60
Arg Lys Glu Asn Thr Thr Lys Thr Arg Lys Arg Arg Lys Lys Ile
65 70 75 80
Thr Asp Val Leu Ala Lys Ser Glu Pro Lys Pro Gly Leu Pro Glu Asp
85 90 95
Leu Gln Lys Leu Met Lys Asp Tyr Tyr Ser Ser Arg Arg Leu Val Ile
100 105 110
Glu Leu Glu Leu Asn Leu Pro Asp Ser Cys Phe Leu Lys Ala Asn
115 120 125
Asp Leu Thr His Ser Leu Ser Ser Tyr Leu Lys Glu Ile Cys Pro Lys
130 135 140
Trp Val Lys Leu Arg Lys Asn His Ser Glu Lys Lys Ser Val Leu Met
145 150 155 160
Leu Ile Ile Cys Ser Ser Ala Val Arg Ala Leu Glu Leu Ile Arg Ser
165 170 175
Met Thr Ala Phe Arg Gly Asp Gly Lys Val Ile Lys Leu Phe Ala Lys
180 185 190
His Ile Lys Val Gln Ala Gln Val Lys Leu Leu Glu Lys Arg Val Val
195 200 205
His Leu Gly Val Gly Thr Pro Gly Arg Ile Lys Glu Leu Val Lys Gln
210 215 220
Gly Gly Leu Asn Leu Ser Pro Leu Lys Phe Leu Val Phe Asp Trp Asn
225 230 235 240
Trp Arg Asp Gln Lys Leu Arg Arg Met Met Asp Ile Pro Glu Ile Arg
245 250 255
Lys Glu Val Phe Glu Leu Leu Glu Met Gly Val Leu Ser Leu Cys Lys
260 265 270
Ser Glu Ser Leu Lys Leu Gly Leu Phe
275 280 281

<210> 1296
<211> 213
<212>Amino acid
<213> Homo sapiens

<400> 1296
Arg Pro Gly Thr Ala Ile Trp Val Val Glu Cys Glu His Gly Arg Pro
1 5 10 15
Ile Ala Glu Ser Glu Gly Gln Glu Gly Arg Gly His Ser Pro Pro Gly
20 25 30
Pro Cys Ser Val Ala Gly Phe Leu Arg Gly Arg Leu Gly Arg Asn Leu
35 40 45

Glu Ile Met Gly Ser Thr Trp Gly Ser Pro Gly Trp Val Arg Leu Ala
 50 55 60
 Leu Cys Leu Thr Gly Leu Val Leu Ser Leu Tyr Ala Leu His Val Lys
 65 70 75 80
 Ala Ala Arg Ala Arg Asp Arg Asp Tyr Arg Ala Leu Cys Asp Val Gly
 85 90 95
 Thr Ala Ile Ser Cys Ser Arg Val Phe Ser Ser Arg Trp Gly Arg Gly
 100 105 110
 Phe Gly Leu Val Glu His Val Leu Gly Gln Asp Ser Ile Leu Asn Gln
 115 120 125
 Ser Asn Ser Ile Phe Gly Cys Ile Phe Tyr Thr Leu Gln Leu Leu Leu
 130 135 140
 Gly Cys Leu Arg Thr Arg Trp Ala Ser Val Leu Met Leu Leu Ser Ser
 145 150 155 160
 Leu Val Ser Leu Ala Gly Ser Val Tyr Leu Ala Trp Ile Leu Phe Phe
 165 170 175
 Val Leu Tyr Asp Phe Cys Ile Val Cys Ile Thr Thr Tyr Ala Ile Asn
 180 185 190
 Val Ser Leu Met Trp Leu Ser Phe Arg Lys Val Gln Glu Pro Gln Gly
 195 200 205
 Lys Ala Lys Arg His
 210 213

<210> 1297
 <211> 353
 <212>Amino acid
 <213> Homo sapiens

<400> 1297
 Glu Ser Pro Ala Pro Pro Ala Phe Arg Pro Ala Met Ala Ala Val Ala
 1 5 10 15
 Leu Met Pro Pro Pro Leu Leu Leu Leu Leu Ala Ser Pro Pro
 20 25 30
 Ala Ala Ser Ala Pro Ser Ala Arg Asp Pro Phe Ala Pro Gln Leu Gly
 35 40 45
 Asp Thr Gln Asn Cys Gln Leu Arg Cys Arg Asp Arg Asp Leu Gly Pro
 50 55 60
 Gln Pro Ser Gln Ala Gly Leu Glu Gly Ala Ser Glu Ser Pro Tyr Asp
 65 70 75 80
 Arg Ala Val Leu Ile Ser Ala Cys Glu Arg Gly Cys Arg Leu Phe Ser
 85 90 95
 Ile Cys Arg Phe Val Ala Arg Ser Ser Lys Pro Asn Ala Thr Gln Thr
 100 105 110
 Glu Cys Glu Ala Ala Cys Val Glu Ala Tyr Val Lys Glu Ala Glu Gln
 115 120 125
 Gln Ala Cys Ser His Gly Cys Trp Ser Gln Pro Ala Glu Pro Glu Pro
 130 135 140
 Glu Gln Lys Arg Lys Val Leu Glu Ala Pro Ser Gly Ala Leu Ser Leu
 145 150 155 160
 Leu Asp Leu Phe Ser Thr Leu Cys Asn Asp Leu Val Asn Ser Ala Gln
 165 170 175
 Gly Phe Val Ser Ser Thr Trp Thr Tyr Leu Gln Thr Asp Asn Gly
 180 185 190
 Lys Val Val Val Phe Gln Thr Gln Pro Ile Val Glu Ser Leu Gly Phe
 195 200 205
 Gln Gly Gly Arg Leu Gln Arg Val Glu Val Thr Trp Arg Gly Ser His
 210 215 220
 Pro Glu Ala Leu Glu Val His Val Asp Pro Val Gly Pro Leu Asp Lys
 225 230 235 240

Val Arg Lys Ala Lys Ile Arg Val Lys Thr Ser Ser Lys Ala Lys Val
 245 250 255
 Glu Ser Glu Glu Pro Gln Asp Asn Asp Phe Leu Ser Cys Met Ser Arg
 260 265 270
 Arg Ser Gly Leu Pro Arg Trp Ile Leu Ala Cys Cys Leu Phe Leu Ser
 275 280 285
 Val Leu Val Met Leu Trp Leu Ser Cys Ser Thr Leu Val Thr Ala Pro
 290 295 300
 Gly Gln His Leu Lys Phe Gln Pro Leu Thr Leu Glu Gln His Lys Gly
 305 310 315 320
 Phe Met Met Glu Pro Asp Trp Pro Leu Tyr Pro Pro Pro Ser His Ala
 325 330 335
 Cys Glu Asp Ser Leu Pro Pro Tyr Lys Leu Lys Leu Asp Leu Thr Lys
 340 345 350
 Leu
 353

<210> 1298
<211> 161
<212>Amino acid
<213> Homo sapiens

<400> 1298
 Phe Pro Glu Leu Gly Thr Ser Leu Ser Ala Met Arg Phe Leu Ala Ala
 1 5 10 15
 Thr Phe Leu Leu Leu Ala Leu Ser Thr Ala Ala Gln Ala Glu Pro Val
 20 25 30
 Gln Phe Lys Asp Cys Gly Ser Val Asp Gly Val Ile Lys Glu Val Asn
 35 40 45
 Val Ser Pro Cys Pro Thr Gln Pro Cys Gln Leu Ser Lys Gly Gln Ser
 50 55 60
 Tyr Ser Val Asn Val Thr Phe Thr Ser Asn Ile Gln Ser Lys Ser Ser
 65 70 75 80
 Lys Ala Val Val His Gly Ile Leu Met Gly Val Pro Val Pro Phe Pro
 85 90 95
 Ile Pro Glu Pro Asp Gly Cys Lys Ser Gly Ile Asn Cys Pro Ile Gln
 100 105 110
 Lys Asp Lys Thr Tyr Ser Tyr Leu Asn Lys Leu Pro Val Lys Ser Glu
 115 120 125
 Tyr Pro Ser Ile Lys Leu Val Val Glu Trp Gln Leu Gln Asp Asp Lys
 130 135 140
 Asn Gln Ser Leu Phe Cys Trp Glu Ile Pro Val Gln Ile Val Ser His
 145 150 155 160
 Leu
 161

<210> 1299
<211> 128
<212>Amino acid
<213> Homo sapiens

<400> 1299
 Ala Pro Glu Thr Phe Arg Cys Val Trp Arg Leu Gln Gly Leu Thr Phe
 1 5 10 15

Ile Ala Phe Thr Glu Leu Gln Ala Lys Val Ile Asp Thr Gln Gln Lys
 20 25 30
 Val Lys Leu Ala Asp Ile Gln Ile Glu Gln Leu Asn Arg Thr Lys Lys
 35 40 45
 His Ala His Leu Thr Asp Thr Glu Ile Met Thr Leu Val Asp Glu Thr
 50 55 60
 Asn Met Tyr Glu Gly Val Gly Arg Met Phe Ile Leu Gln Ser Lys Glu
 65 70 75 80
 Ala Ile His Ser Gln Leu Leu Glu Lys Gln Lys Ile Ala Glu Glu Lys
 85 90 95
 Ile Lys Glu Leu Glu Gln Lys Lys Ser Tyr Leu Glu Arg Ser Val Lys
 100 105 110
 Glu Ala Glu Asp Asn Ile Arg Glu Met Leu Met Ala Arg Arg Ala Gln
 115 120 125 128

<210> 1300
<211> 265
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> X = any amino acid or stop code

<400> 1300
 His Ser Leu Leu Leu Gly Thr Arg Val Arg Asp Ala Ser Ser Lys Ile
 1 5 10 15
 Gln Gly Glu Tyr Thr Leu Thr Leu Arg Lys Gly Gly Asn Asn Lys Leu
 20 25 30
 Ser Arg Val Phe His Arg Asp Gly His Tyr Gly Phe Ser Glu Pro Leu
 35 40 45
 Thr Phe Cys Ser Val Val Asp Leu Ile Asn His Tyr Arg His Glu Ser
 50 55 60
 Leu Ala Gln Tyr Asn Ala Lys Leu Asp Thr Arg Leu Leu Tyr Pro Val
 65 70 75 80
 Ser Lys Tyr Gln Gln Val Arg Ala Gly Leu Gly Ala Arg Glu Gly Ser
 85 90 95
 Thr Trp Leu Ala Pro Gly Leu Ser Phe Leu Gly Arg Pro Asp Gln Ala
 100 105 110
 Met His Leu Pro Ser Phe Arg His Val Ser Pro Asp Gln Ile Val Lys
 115 120 125
 Glu Asp Ser Val Glu Ala Val Gly Ala Gln Leu Lys Val Tyr His Gln
 130 135 140
 Gln Tyr Gln Asp Lys Ser Arg Glu Tyr Asp Gln Leu Tyr Glu Glu Tyr
 145 150 155 160
 Thr Arg Thr Ser Gln Glu Leu Gln Met Lys Arg Thr Ala Ile Glu Ala
 165 170 175
 Phe Asn Glu Thr Ile Lys Ile Phe Glu Glu Gln Gly Gln Thr Gln Glu
 180 185 190
 Lys Cys Ser Lys Glu Tyr Leu Glu Arg Phe Arg Arg Glu Gly Asn Gln
 195 200 205
 Thr Lys Glu Met Gln Arg Ile Leu Leu Asn Ser Glu Arg Leu Lys Ser
 210 215 220
 Arg Ile Ala Glu Ile His Glu Ser Pro His Arg Ser Trp Glu Gln Gln
 225 230 235 240
 Leu Leu Val Pro Arg Ala Ser Asp Asn Lys Arg Asp Ile Asp Lys Pro

245	250	255
His Xaa Thr Ser Leu Lys Pro Asp Leu		
260	265	

<210> 1301
 <211> 490
 <212>Amino acid
 <213> Homo sapiens

<400> 1301
 Ala Ala Ala Ala Ala Gly Arg Gly Arg Ser Ser Gly Arg Arg Arg Arg
 1 5 10 15
 Arg Arg Pro Gly Ala Leu Phe Ala Ser Leu Gly Val Leu Leu Gly Pro
 20 25 30
 Arg Pro Pro Pro Gly Ile Pro Arg Thr Arg Ala Cys Ser Met Gly Gly
 35 40 45
 Val Gly Glu Pro Gly Pro Arg Glu Gly Pro Ala Gln Pro Gly Ala Pro
 50 55 60
 Leu Pro Thr Phe Cys Trp Glu Gln Ile Arg Ala His Asp Gln Pro Gly
 65 70 75 80
 Asp Lys Trp Leu Val Ile Glu Arg Arg Val Tyr Asp Ile Ser Arg Trp
 85 90 95
 Ala Gln Arg His Pro Gly Gly Ser Arg Leu Ile Gly His His Gly Ala
 100 105 110
 Glu Asp Ala Thr Asp Ala Phe Arg Ala Phe His Gln Asp Leu Asn Phe
 115 120 125
 Val Arg Lys Phe Leu Gln Pro Leu Leu Ile Gly Glu Leu Ala Pro Glu
 130 135 140
 Glu Pro Ser Gln Asp Gly Pro Leu Asn Ala Gln Leu Val Glu Asp Phe
 145 150 155 160
 Arg Ala Leu His Gln Ala Ala Glu Asp Met Lys Leu Phe Asp Ala Ser
 165 170 175
 Pro Thr Phe Phe Ala Phe Leu Leu Gly His Ile Leu Ala Met Glu Val
 180 185 190
 Leu Ala Trp Leu Leu Ile Tyr Leu Leu Gly Pro Gly Trp Val Pro Ser
 195 200 205
 Ala Leu Ala Ala Phe Ile Leu Ala Ile Ser Gln Ala Gln Ser Trp Cys
 210 215 220
 Leu Gln His Asp Leu Gly His Ala Ser Ile Phe Lys Ser Trp Trp
 225 230 235 240
 Asn His Val Ala Gln Lys Phe Val Met Gly Gln Leu Lys Gly Phe Ser
 245 250 255
 Ala His Trp Trp Asn Phe Arg His Phe Gln His His Ala Lys Pro Asn
 260 265 270
 Ile Phe His Lys Asp Pro Asp Val Thr Val Ala Pro Val Phe Leu Leu
 275 280 285
 Gly Glu Ser Ser Val Glu Tyr Gly Lys Lys Lys Arg Arg Tyr Leu Pro
 290 295 300
 Tyr Asn Gln Gln His Leu Tyr Phe Phe Leu Ile Gly Pro Pro Leu Leu
 305 310 315 320
 Thr Leu Val Asn Phe Glu Val Glu Asn Leu Ala Tyr Met Leu Val Cys
 325 330 335
 Met Gln Trp Ala Asp Leu Leu Trp Ala Ala Ser Phe Tyr Ala Arg Phe
 340 345 350
 Phe Leu Ser Tyr Leu Pro Phe Tyr Gly Val Pro Gly Val Leu Leu Phe
 355 360 365
 Phe Val Ala Val Arg Val Leu Glu Ser His Trp Phe Val Trp Ile Thr
 370 375 380
 Gln Met Asn His Ile Pro Lys Glu Ile Gly His Glu Lys His Arg Asp

385	390	395	400
Trp Val Ser Ser Gln	Leu Ala Ala Thr Cys Asn Val Glu Pro Ser Leu		
405	410	415	
Phe Thr Asn Trp Phe Ser Gly His Leu Asn Phe Gln Ile Glu His His			
420	425	430	
Leu Phe Pro Arg Met Pro Arg His Asn Tyr Ser Arg Val Ala Pro Leu			
435	440	445	
Val Lys Ser Leu Cys Ala Lys His Gly Leu Ser Tyr Glu Val Lys Pro			
450	455	460	
Phe Leu Thr Ala Leu Val Asp Ile Val Arg Ser Leu Lys Lys Ser Gly			
465	470	475	480
Asp Ile Trp Leu Asp Ala Tyr Leu His Gln			
485	490		

<210> 1302
<211> 110
<212>Amino acid
<213> Homo sapiens

<400> 1302			
Lys Ser Arg Ala Thr Arg Leu Arg Glu Ser Ala Glu Met Thr Gly Phe			
1	5	10	15
Leu Leu Pro Pro Ala Ser Arg Gly Thr Arg Arg Ser Cys Ser Arg Ser			
20	25	30	
Arg Lys Arg Gln Thr Arg Arg Arg Asn Pro Ser Ser Phe Val Ala			
35	40	45	
Ser Cys Pro Thr Leu Leu Pro Phe Ala Cys Val Pro Gly Ala Ser Pro			
50	55	60	
Thr Thr Leu Ala Phe Pro Pro Val Val Leu Thr Gly Pro Ser Thr Asp			
65	70	75	80
Gly Ile Pro Phe Ala Leu Ser Leu Gln Arg Val Pro Phe Val Leu Pro			
85	90	95	
Ser Pro Gln Val Ala Ser Leu Pro Leu Gly His Ser Arg Gly			
100	105	110	

<210> 1303
<211> 138
<212>Amino acid
<213> Homo sapiens

<400> 1303			
Ile Gln Tyr Arg Ser Asp Leu Glu Leu His Ser Ile Thr Met Lys Lys			
1	5	10	15
Ser Gly Val Leu Phe Leu Leu Gly Ile Ile Leu Leu Val Leu Ile Gly			
20	25	30	
Val Gln Gly Thr Pro Val Val Arg Lys Gly Arg Cys Ser Cys Ile Ser			
35	40	45	
Thr Asn Gln Gly Thr Ile His Leu Gln Ser Leu Lys Asp Leu Lys Gln			
50	55	60	
Phe Ala Pro Ser Pro Ser Cys Glu Lys Ile Glu Ile Ile Ala Thr Leu			
65	70	75	80
Lys Asn Gly Val Gln Thr Cys Leu Asn Pro Asp Ser Ala Asp Val Lys			
85	90	95	
Glu Leu Ile Lys Lys Trp Glu Lys Gln Val Ser Gln Lys Lys Gln			

100	105	110
Lys Asn Gly Lys Lys His Gln Lys Lys Lys Val Leu Lys Val Arg Lys		
115	120	125
Ser Gln Arg Ser Arg Gln Lys Lys Thr Thr		
130	135	138

<210> 1304
 <211> 1000
 <212>Amino acid
 <213> Homo sapiens

<400> 1304
 Ile Pro Gly Ser Thr Ile Ser Cys Arg Gly Cys Cys Gly Lys Trp Pro
 1 5 10 15
 Val Gln Glu Ala Asp Pro Pro Arg Ala Ala Leu Arg Gly Arg Phe Pro
 20 25 30
 Ala Leu Leu Thr Arg His Cys Pro Ser Pro Arg Ala Glu Lys Glu Lys
 35 40 45
 Arg Ser Leu Arg Arg Cys Gly Cys Arg Pro Leu Leu Val Glu Leu Ala
 50 55 60
 Gly Pro Ala Gly Gln Ala Val Glu Val Leu Pro His Phe Glu Ser Leu
 65 70 75 80
 Gly Lys Gln Glu Lys Ile Pro Asn Lys Met Ser Ala Phe Arg Asn His
 85 90 95
 Cys Pro His Leu Asp Ser Val Gly Glu Ile Thr Lys Glu Asp Leu Ile
 100 105 110
 Gln Lys Ser Leu Gly Thr Cys Gln Asp Cys Lys Val Gln Gly Pro Asn
 115 120 125
 Leu Trp Ala Cys Leu Glu Asn Arg Cys Ser Tyr Val Gly Cys Gly Glu
 130 135 140
 Ser Gln Val Asp His Ser Thr Ile His Ser Gln Glu Thr Lys His Tyr
 145 150 155 160
 Leu Thr Val Asn Leu Thr Thr Leu Arg Val Trp Cys Tyr Ala Cys Ser
 165 170 175
 Lys Glu Val Phe Leu Asp Arg Lys Leu Gly Thr Gln Pro Ser Leu Pro
 180 185 190
 His Val Arg Gln Pro His Gln Ile Gln Glu Asn Ser Val Gln Asp Phe
 195 200 205
 Lys Ile Pro Ser Asn Thr Thr Leu Lys Thr Pro Leu Val Ala Val Phe
 210 215 220
 Asp Asp Leu Asp Ile Glu Ala Asp Glu Glu Asp Glu Leu Arg Ala Arg
 225 230 235 240
 Gly Leu Thr Gly Leu Lys Asn Ile Gly Asn Thr Cys Tyr Met Asn Ala
 245 250 255
 Ala Leu Gln Ala Leu Ser Asn Cys Pro Pro Leu Thr Gln Phe Phe Leu
 260 265 270
 Asp Cys Gly Gly Leu Ala Arg Thr Asp Lys Lys Pro Ala Ile Cys Lys
 275 280 285
 Ser Tyr Leu Lys Leu Met Thr Glu Leu Trp Tyr Lys Ser Arg Pro Gly
 290 295 300
 Ser Val Val Pro Thr Thr Leu Phe Gln Gly Ile Lys Thr Val Asn Pro
 305 310 315 320
 Thr Phe Arg Gly Tyr Ser Gln Gln Asp Ala Gln Glu Phe Leu Arg Cys
 325 330 335
 Leu Met Asp Leu Leu His Glu Glu Leu Lys Glu Gln Val Met Glu Val
 340 345 350
 Glu Glu Asp Pro Gln Thr Ile Thr Glu Glu Thr Met Glu Glu Asp
 355 360 365
 Lys Ser Gln Ser Asp Val Asp Phe Gln Ser Cys Glu Ser Cys Ser Asn

370	375	380
Ser Asp Arg Ala Glu Asn Glu Asn Gly Ser Arg .Cys Phe Ser Glu Asp		
385	390	395
Asn Asn Glu Thr Thr Met Leu Ile Gln Asp Asp Glu Asn Asn Ser Glu		400
405	410	415
Met Ser Lys Asp Trp Gln Lys Glu Lys Met Cys Asn Lys Ile Asn Lys		
420	425	430
Val Asn Ser Glu Gly Glu Phe Asp Lys Asp Arg Asp Ser Ile Ser Glu		
435	440	445
Thr Val Asp Leu Asn Asn Gln Glu Thr Val Lys Val Gln Ile His Ser		
450	455	460
Arg Ala Ser Glu Tyr Ile Thr Asp Val His Ser Asn Asp Leu Ser Thr		
465	470	475
Pro Gln Ile Leu Pro Ser Asn Glu Gly Val Asn Pro Arg Leu Ser Ala		480
485	490	495
Ser Pro Pro Lys Ser Gly Asn Leu Trp Pro Gly Leu Ala Pro Pro His		
500	505	510
Lys Lys Ala Gln Ser Ala Ser Pro Lys Arg Lys Lys Gln His Lys Lys		
515	520	525
Tyr Arg Ser Val Ile Ser Asp Ile Phe Asp Gly Thr Ile Ile Ser Ser		
530	535	540
Val Gln Cys Leu Thr Cys Asp Arg Val Ser Val Thr Leu Glu Thr Phe		
545	550	555
Gln Asp Leu Ser Leu Pro Ile Pro Gly Lys Glu Asp Leu Ala Lys Leu		560
565	570	575
His Ser Ser Ser His Pro Thr Ser Ile Val Lys Ala Gly Ser Cys Gly		
580	585	590
Glu Ala Tyr Ala Pro Gln Gly Trp Ile Ala Phe Phe Met Glu Tyr Val		
595	600	605
Lys Arg Phe Val Val Ser Cys Val Pro Ser Trp Phe Trp Gly Pro Val		
610	615	620
Val Thr Leu Gln Asp Cys Leu Ala Ala Phe Phe Ala Arg Asp Glu Leu		
625	630	635
Lys Gly Asp Asn Met Tyr Ser Cys Glu Lys Cys Lys Lys Leu Arg Asn		640
645	650	655
Gly Val Lys Phe Cys Lys Val Gln Asn Phe Pro Glu Ile Leu Cys Ile		
660	665	670
His Leu Lys Arg Phe Arg His Glu Leu Met Phe Ser Thr Lys Ile Ser		
675	680	685
Thr His Val Ser Phe Pro Leu Glu Gly Leu Asp Leu Gln Pro Phe Leu		
690	695	700
Ala Lys Asp Ser Pro Ala Gln Ile Val Thr Tyr Asp Leu Leu Ser Val		
705	710	715
Ile Cys His His Gly Thr Ala Ser Ser Gly His Tyr Ile Ala Tyr Cys		720
725	730	735
Arg Asn Asn Leu Asn Asn Leu Trp Tyr Glu Phe Asp Asp Gln Ser Val		
740	745	750
Thr Glu Val Ser Glu Ser Thr Val Gln Asn Ala Glu Ala Tyr Val Leu		
755	760	765
Phe Tyr Arg Lys Ser Ser Glu Glu Ala Gln Lys Glu Arg Arg Arg Ile		
770	775	780
Ser Asn Leu Leu Asn Ile Met Glu Pro Ser Leu Leu Gln Phe Tyr Ile		
785	790	795
Ser Arg Gln Trp Leu Asn Lys Phe Lys Thr Phe Ala Glu Pro Gly Pro		800
805	810	815
Ile Ser Asn Asn Asp Phe Leu Cys Ile His Gly Gly Val Pro Pro Arg		
820	825	830
Lys Ala Gly Tyr Ile Glu Asp Leu Val Leu Met Leu Pro Gln Asn Ile		
835	840	845
Trp Asp Asn Leu Tyr Ser Arg Tyr Gly Gly Pro Ala Val Asn His		
850	855	860
Leu Tyr Ile Cys His Thr Cys Gln Ile Glu Ala Glu Lys Ile Glu Lys		
865	870	875
Arg Arg Lys Thr Glu Leu Glu Ile Phe Ile Arg Leu Asn Arg Ala Phe		880

	885	890	895												
Gln	Lys	Glu	Asp	Ser	Pro	Ala	Thr	Phe	Tyr	Cys	Ile	Ser	Met	Gln	Trp
				900		905								910	
Phe	Arg	Glu	Trp	Glu	Ser	Phe	Val	Lys	Gly	Lys	Asp	Gly	Asp	Pro	Pro
				915		920								925	
Gly	Pro	Ile	Asp	Asn	Thr	Lys	Ile	Ala	Val	Thr	Lys	Cys	Gly	Asn	Val
				930		935						940			
Met	Leu	Arg	Gln	Gly	Ala	Asp	Ser	Gly	Gln	Ile	Ser	Glu	Glu	Thr	Trp
				945		950					955			960	
Asn	Phe	Leu	Gln	Ser	Ile	Tyr	Gly	Gly	Pro	Glu	Val	Ile	Leu	Arg	
														965	
Pro	Pro	Val	Val	His	Val	Asp	Pro	Asp	Ile	Leu	Gln	Ala	Glu	Glu	Lys
														980	
Ile	Glu	Val	Glu	Thr	Arg	Ser	Leu							985	
														990	
				995											
							1000								

<210> 1305

<211> 141

<212>Amino acid

<213> Homo sapiens

<400> 1305

Ser	Pro	Ser	Ala	Ala	Gly	Gly	Leu	Ala	Trp	Val	Ser	Leu	Ala	Leu	Gly	
					1	5				10					15	
Ser	Gly	Ser	Arg	Gly	Arg	Asp	His	Ser	Gly	Ser	Gly	Val	Gly	Thr	Ala	
												20		25		30
Met	Ala	Gly	Ala	Leu	Val	Arg	Lys	Ala	Ala	Asp	Tyr	Val	Arg	Ser	Lys	
												35		40		45
Asp	Phe	Arg	Asp	Tyr	Leu	Met	Ser	Thr	His	Phe	Trp	Gly	Pro	Val	Ala	
												50		55		60
Asn	Trp	Gly	Leu	Pro	Ile	Ala	Ala	Ile	Asn	Asp	Met	Lys	Lys	Ser	Pro	
												65		70		75
Glu	Ile	Ile	Ser	Gly	Arg	Met	Thr	Phe	Ala	Leu	Cys	Cys	Tyr	Ser	Leu	
											85		90		95	
Thr	Phe	Met	Arg	Phe	Ala	Tyr	Lys	Val	Gln	Pro	Arg	Asn	Trp	Leu	Leu	
											100		105		110	
Phe	Ala	Cys	His	Ala	Thr	Asn	Glu	Val	Ala	Gln	Leu	Ile	Gln	Gly	Gly	
											115		120		125	
Arg	Leu	Ile	Lys	His	Glu	Met	Thr	Lys	Thr	Ala	Ser	Ala				
											130		135		140	141

<210> 1306

<211> 386

<212>Amino acid

<213> Homo sapiens

<400> 1306

Leu	Gly	Ser	Arg	Gln	Ala	Ala	Gly	Thr	Met	Arg	Gly	Gln	Arg	Ser	Leu
									1	5		10		15	
Leu	Leu	Gly	Pro	Ala	Arg	Leu	Cys	Leu	Arg	Leu	Leu	Leu	Leu	Gly	
										20		25		30	
Tyr	Arg	Arg	Arg	Cys	Pro	Pro	Leu	Leu	Arg	Gly	Leu	Val	Gln	Arg	Trp
										35		40		45	
Arg	Tyr	Gly	Lys	Val	Cys	Leu	Arg	Ser	Leu	Leu	Tyr	Asn	Ser	Phe	Gly

50	55	60
Gly Ser Asp Thr Ala Val Asp Ala Ala Phe Glu Pro Val Tyr Trp Leu		
65	70	75
Val Asp Asn Val Ile Arg Trp Phe Gly Val Val Phe Val Val Leu Val		80
85	90	95
Ile Val Leu Thr Gly Ser Ile Val Ala Ile Ala Tyr Leu Cys Val Leu		
100	105	110
Pro Leu Ile Leu Arg Thr Tyr Ser Val Pro Arg Leu Cys Trp His Phe		
115	120	125
Phe Tyr Ser His Trp Asn Leu Ile Leu Ile Val Phe His Tyr Tyr Gln		
130	135	140
Ala Ile Thr Thr Pro Pro Gly Tyr Pro Pro Gln Gly Arg Asn Asp Ile		
145	150	155
Ala Thr Val Ser Ile Cys Lys Lys Cys Ile Tyr Pro Lys Pro Ala Arg		
165	170	175
Thr His His Cys Ser Ile Cys Asn Arg Cys Val Leu Lys Met Asp His		
180	185	190
His Cys Pro Trp Leu Asn Asn Cys Val Gly His Tyr Asn His Arg Tyr		
195	200	205
Phe Phe Ser Phe Cys Phe Phe Met Thr Leu Gly Cys Val Tyr Cys Ser		
210	215	220
Tyr Gly Ser Trp Asp Leu Phe Arg Glu Ala Tyr Ala Ala Ile Glu Lys		
225	230	235
Met Lys Gln Leu Asp Lys Asn Lys Leu Gln Ala Val Ala Asn Gln Thr		
245	250	255
Tyr His Gln Thr Pro Pro Pro Thr Phe Ser Phe Arg Glu Arg Met Thr		
260	265	270
His Lys Ser Leu Val Tyr Leu Trp Phe Leu Cys Ser Ser Val Ala Leu		
275	280	285
Ala Leu Gly Ala Leu Thr Val Trp His Ala Val Leu Ile Ser Arg Gly		
290	295	300
Glu Thr Ser Ile Glu Arg His Ile Asn Lys Lys Glu Arg Arg Arg Leu		
305	310	315
Gln Ala Lys Gly Arg Val Phe Arg Asn Pro Tyr Asn Tyr Gly Cys Leu		
325	330	335
Asp Asn Trp Lys Val Phe Leu Gly Val Asp Thr Gly Arg His Trp Leu		
340	345	350
Thr Arg Val Leu Leu Pro Ser Ser His Leu Pro His Gly Asn Gly Met		
355	360	365
Ser Trp Glu Pro Pro Pro Trp Val Thr Ala His Ser Ala Ser Val Met		
370	375	380
Ala Val		
385 386		

<210> 1307
 <211> 298
 <212>Amino acid
 <213> Homo sapiens

<400> 1307		
Ala Thr Arg Arg Arg Ala Ala Glu Ala Gly Met Ala Ala Val Leu Gln		
1	5	10
Arg Val Glu Arg Leu Ser Asn Arg Val Val Arg Val Leu Gly Cys Asn		15
20	25	30
Pro Gly Pro Met Thr Leu Gln Gly Thr Asn Thr Tyr Leu Val Gly Thr		
35	40	45
Gly Pro Arg Arg Ile Leu Ile Asp Thr Gly Glu Pro Ala Ile Pro Glu		
50	55	60
Tyr Ile Ser Cys Leu Lys Gln Ala Leu Thr Glu Phe Asn Thr Ala Ile		

65	70	75	80												
Gln	Glu	Ile	Val	Val	Thr	His	Trp	His	Arg	Asp	His	Ser	Gly	Gly	Ile
85	90	95													
Gly	Asp	Ile	Cys	Lys	Ser	Ile	Asn	Asn	Asp	Thr	Thr	Tyr	Cys	Ile	Lys
100	105	110													
Lys	Leu	Pro	Arg	Asn	Pro	Gln	Arg	Glu	Ile	Ile	Gly	Asn	Gly	Glu	
115	120	125													
Gln	Gln	Tyr	Val	Tyr	Leu	Lys	Asp	Gly	Asp	Val	Ile	Lys	Thr	Glu	Gly
130	135	140													
Ala	Thr	Leu	Arg	Val	Leu	Tyr	Thr	Pro	Gly	His	Thr	Asp	Asp	His	Met
145	150	155	160												
Ala	Leu	Leu	Leu	Glu	Glu	Asn	Ala	Ile	Phe	Ser	Gly	Asp	Cys	Ile	
165	170	175													
Leu	Gly	Glu	Gly	Thr	Thr	Val	Phe	Glu	Asp	Leu	Tyr	Asp	Tyr	Met	Asn
180	185	190													
Ser	Leu	Lys	Glu	Leu	Leu	Lys	Ile	Lys	Ala	Asp	Ile	Ile	Tyr	Pro	Gly
195	200	205													
His	Gly	Pro	Val	Ile	His	Asn	Ala	Glu	Ala	Lys	Ile	Gln	Gln	Tyr	Ile
210	215	220													
Ser	His	Arg	Asn	Ile	Arg	Glu	Gln	Gln	Ile	Leu	Thr	Leu	Phe	Arg	Glu
225	230	235	240												
Asn	Phe	Glu	Lys	Ser	Phe	Thr	Val	Met	Glu	Leu	Val	Lys	Ile	Ile	Tyr
245	250	255													
Lys	Asn	Thr	Pro	Glu	Asn	Leu	His	Glu	Met	Ala	Lys	His	Asn	Leu	Leu
260	265	270													
Leu	His	Leu	Lys	Leu	Glu	Lys	Gly	Lys	Ile	Phe	Ser	Asn	Thr		
275	280	285													
Asp	Pro	Asp	Lys	Lys	Trp	Lys	Ala	His	Leu						
290	295	298													

<210> 1308
 <211> 306
 <212>Amino acid
 <213> Homo sapiens

<400>	1308														
Glu	Leu	His	Arg	Ala	Gly	Gln	Val	Ala	Gly	Ala	Arg	Arg	Ser	Arg	
1	5	10	15												
Arg	Glu	Ser	Met	Glu	Leu	Glu	Arg	Ile	Val	Ser	Ala	Ala	Leu	Leu	Ala
20	25	30													
Phe	Val	Gln	Thr	His	Leu	Pro	Glu	Ala	Asp	Leu	Ser	Gly	Leu	Asp	Glu
35	40	45													
Val	Ile	Phe	Ser	Tyr	Val	Leu	Gly	Val	Leu	Glu	Asp	Leu	Gly	Pro	Ser
50	55	60													
Gly	Pro	Ser	Glu	Glu	Asn	Phe	Asp	Met	Glu	Ala	Phe	Thr	Glu	Met	Met
65	70	75	80												
Glu	Ala	Tyr	Val	Pro	Gly	Phe	Ala	His	Ile	Pro	Arg	Gly	Thr	Ile	Gly
85	90	95													
Asp	Met	Met	Gln	Lys	Leu	Ser	Gly	Gln	Leu	Ser	Asp	Ala	Arg	Asn	Lys
100	105	110													
Glu	Asn	Leu	Gln	Pro	Gln	Ser	Ser	Gly	Val	Gln	Gly	Gln	Val	Pro	Ile
115	120	125													
Ser	Pro	Glu	Pro	Leu	Gln	Arg	Pro	Glu	Met	Leu	Lys	Glu	Glu	Thr	Arg
130	135	140													
Ser	Ser	Ala	Ala	Ala	Ala	Ala	Asp	Thr	Gln	Asp	Glu	Ala	Thr	Gly	Ala
145	150	155	160												
Glu	Glu	Glu	Leu	Leu	Pro	Gly	Val	Asp	Val	Leu	Leu	Glu	Val	Phe	Pro
165	170	175													
Thr	Cys	Ser	Val	Glu	Gln	Ala	Gln	Trp	Val	Leu	Ala	Lys	Ala	Arg	Gly

Asp Leu Glu Glu Ala Val Gln Met	180	Leu Val Glu Gly Lys	185	Glu Glu Gly	190
195	200	205			
Pro Ala Ala Trp Glu Gly Pro Asn Gln Asp	210	Leu Pro Arg Arg	215	Leu Arg	220
Gly Pro Gln Lys Asp Glu Leu Lys Ser Phe	225	Ile Leu Gln Lys Tyr	230	Met	235
			235		240
Met Val Asp Ser Ala Glu Asp Gln Lys Ile His	245	Arg Pro Met Ala Pro	250		255
Lys Glu Ala Pro Lys Leu Ile Arg Tyr Ile Asp Asn	260	Gln Val Val	265		270
Ser Thr Lys Gly Glu Arg Phe Lys Asp Val Arg Asn	275	Pro Glu Ala Glu	280		285
Glu Met Lys Ala Thr Tyr Ile Asn Leu Lys Pro Ala	290	Arg Lys Tyr Arg	295		300
Phe His					
305 306					

<210> 1309
<211> 174
<212>Amino acid
<213> Homo sapiens

<400> 1309		
Phe Ile Thr Gly Lys Gly Ile Val Ala Ile Leu Arg Cys	1	Leu Gln Phe
	5	10
Asn Glu Thr Leu Thr Glu Leu Arg Phe His Asn Gln Arg His	20	Met Leu
	25	30
Gly His His Ala Glu Met Glu Ile Ala Arg Leu Leu Lys	35	Ala Asn Asn
	40	45
Thr Leu Leu Lys Met Gly Tyr His Phe Glu Leu Pro Gly Pro	50	Arg Met
	55	60
Val Val Thr Asn Leu Leu Thr Arg Asn Gln Asp Lys Gln Arg	65	Gln Lys
	70	75
Arg Gln Glu Glu Gln Lys Gln Gln Leu Lys Glu Gln Lys	85	Leu
	90	95
Ile Ala Met Leu Glu Asn Gly Leu Gly Leu Pro Pro Gly	100	Met Trp Glu
	105	110
Leu Leu Gly Gly Pro Lys Pro Asp Ser Arg Met Gln Glu Phe	115	Phe Gln
	120	125
Pro Pro Pro Pro Arg Pro Pro Asn Pro Gln Asn Val Pro	130	Phe Ser Gln
	135	140
Arg Ser Glu Met Met Lys Lys Pro Ser Gln Ala Pro Lys	145	Tyr Arg Thr
	150	155
Asp Pro Asp Ser Phe Arg Val Val Lys Leu Lys Arg Ile	165	Gln
	170	174

<210> 1310
<211> 616
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(616)
<223> X = any amino acid or stop code

<400> 1310
 Gly Gly Arg Ala Gly Thr Gln Cys Cys Trp Arg Ala Gly Ala Arg Leu
 1 5 10 15
 Arg Gly Ile Ser Pro Ser Pro Ala Leu Pro Glu Ala Pro Gly Leu Cys
 20 25 30
 Arg Val Arg Ala Gly Leu Gly Ala Gly Ala Leu Gly Arg Ser Pro Ala
 35 40 45
 Gly Arg Arg Arg Arg Gly Pro Arg Val Ser Ser Ser Pro Ala Pro His
 50 55 60
 Pro Arg Arg Val Leu Cys Arg Cys Leu Leu Phe Leu Phe Phe Ser Cys
 65 70 75 80
 His Asp Arg Arg Gly Asp Ser Gln Pro Tyr Gln Ala Leu Lys Tyr Ser
 85 90 95
 Ser Lys Ser His Pro Ser Ser Gly Asp His Arg His Glu Lys Met Arg
 100 105 110
 Asp Ala Gly Asp Pro Ser Pro Pro Asn Lys Met Leu Arg Arg Ser Asp
 115 120 125
 Ser Pro Glu Asn Lys Tyr Ser Asp Ser Thr Gly His Ser Lys Ala Lys
 130 135 140
 Asn Val His Thr His Arg Val Arg Glu Arg Asp Gly Gly Thr Ser Tyr
 145 150 155 160
 Ser Pro Gln Glu Asn Ser His Asn His Ser Ala Leu His Ser Ser Asn
 165 170 175
 Phe Thr Phe Phe Leu Ile Pro Ser Asn Xaa Pro Gln Gly Lys Thr Phe
 180 185 190
 Arg Ile Ala Pro Tyr Asp Ser Ala Asp Asp Trp Ser Leu Glu His Ile
 195 200 205
 Ser Ser Gly Glu Lys Tyr Tyr Tyr Asn Cys Arg Thr Glu Val Ser
 210 215 220
 Gln Trp Gly Lys Thr Pro Lys Ser Gly Leu Glu Arg Gly Gln Arg Gln
 225 230 235 240
 Lys Glu Ala Asn Lys Met Ala Val Asn Ser Phe Pro Lys Asp Arg Asp
 245 250 255
 Tyr Arg Arg Glu Val Met Gln Ala Thr Ala Thr Ser Gly Phe Ala Ser
 260 265 270
 Gly Lys Ser Thr Ser Gly Asp Lys Pro Val Ser His Ser Cys Thr Thr
 275 280 285
 Pro Ser Thr Ser Ser Ala Ser Gly Leu Asn Pro Thr Ser Ala Pro Pro
 290 295 300
 Thr Ser Ala Ser Ala Val Pro Val Ser Pro Val Pro Gln Ser Pro Ile
 305 310 315 320
 Pro Pro Leu Leu Gln Asp Pro Asn Leu Leu Arg Gln Leu Leu Pro Ala
 325 330 335
 Leu Glu Ala Thr Leu Gln Leu Asn Asn Ser Asn Val Asp Ile Ser Ile
 340 345 350
 Ile Asn Glu Val Leu Thr Gly Asp Val Thr Gln Ala Ser Leu Gln Thr
 355 360 365
 Ile Ile His Lys Cys Leu Thr Ala Gly Pro Ser Val Phe Lys Ile Thr
 370 375 380
 Ser Leu Ile Ser Gln Ala Ala Gln Leu Ser Thr Gln Ala Gln Ala Ser
 385 390 395 400
 Asn Gln Ser Pro Met Ser Leu Thr Ser Asp Ala Ser Ser Pro Arg Ser
 405 410 415
 Tyr Val Ser Pro Arg Asn Lys Ala His Leu Lys Leu Asn Thr Val Pro
 420 425 430
 Ile Gln Thr Phe Gly Phe Ser Thr Pro Pro Val Ser Ser Gln Pro Lys
 435 440 445
 Val Ser Thr Pro Val Val Lys Gln Gly Pro Val Ser Gln Ser Ala Thr
 450 455 460
 Gln Gln Pro Val Thr Ala Asp Lys Gln Gln Gly His Glu Pro Val Ser
 465 470 475 480

Pro Arg Ser Leu Gln Arg Ser Ser Ser Gln Arg Ser Pro Ser Pro Gly
 485 490 495
 Pro Asn His Thr Ser Asn Ser Ser Asn Ala Ser Asn Ala Thr Val Val
 500 505 510
 Pro Gln Asn Ser Ser Ala Arg Ser Thr Cys Ser Leu Thr Pro Ala Leu
 515 520 525
 Ala Ala His Phe Ser Glu Asn Leu Ile Lys His Val Gln Gly Trp Pro
 530 535 540
 Ala Asp His Ala Glu Lys Gln Ala Ser Arg Leu Arg Glu Glu Ala His
 545 550 555 560
 Asn Met Gly Thr Ile His Met Ser Glu Ile Cys Thr Glu Leu Lys Asn
 565 570 575
 Leu Arg Ser Leu Val Arg Val Cys Glu Ile Gln Ala Thr Leu Arg Glu
 580 585 590
 Gln Arg Ile Leu Phe Leu Arg Gln Gln Ile Lys Glu Leu Glu Lys Leu
 595 600 605
 Lys Asn Gln Asn Ser Phe Met Val
 610 615 616

<210> 1311
<211> 387
<212>Amino acid
<213> Homo sapiens

<400> 1311
 Val Ala Pro Glu Cys Arg Gly Ala Tyr Pro Phe Arg Ala Met Met Pro
 1 5 10 15
 Gly Thr Ala Leu Lys Ala Val Leu Leu Ala Val Leu Leu Val Gly Leu
 20 25 30
 Gln Thr Ala Thr Gly Arg Leu Leu Ser Gly Gln Pro Val Cys Arg Gly
 35 40 45
 Gly Thr Gln Arg Pro Cys Tyr Lys Val Ile Tyr Phe His Asp Thr Ser
 50 55 60
 Arg Arg Leu Asn Phe Glu Glu Ala Lys Glu Ala Cys Arg Arg Asp Gly
 65 70 75 80
 Gly Gln Leu Val Ser Ile Glu Ser Glu Asp Glu Gln Lys Leu Ile Glu
 85 90 95
 Lys Phe Ile Glu Asn Leu Leu Pro Ser Asp Gly Asp Phe Trp Ile Gly
 100 105 110
 Leu Arg Arg Arg Glu Glu Lys Gln Ser Asn Ser Thr Ala Cys Gln Asp
 115 120 125
 Leu Tyr Ala Trp Thr Asp Gly Ser Ile Ser Gln Phe Arg Asn Trp Tyr
 130 135 140
 Val Asp Glu Pro Ser Cys Gly Ser Glu Val Cys Val Val Met Tyr His
 145 150 155 160
 Gln Pro Ser Ala Pro Ala Gly Ile Gly Gly Pro Tyr Met Phe Gln Trp
 165 170 175
 Asn Asp Asp Arg Cys Asn Met Lys Asn Asn Phe Ile Cys Lys Tyr Ser
 180 185 190
 Asp Glu Lys Pro Ala Val Pro Ser Arg Glu Ala Glu Gly Glu Glu Thr
 195 200 205
 Glu Leu Thr Thr Pro Val Leu Pro Glu Glu Thr Gln Glu Glu Asp Ala
 210 215 220
 Lys Lys Thr Phe Lys Glu Ser Arg Glu Ala Ala Leu Asn Leu Ala Tyr
 225 230 235 240
 Ile Leu Ile Pro Ser Ile Pro Leu Leu Leu Leu Val Val Thr Thr
 245 250 255
 Val Val Cys Trp Val Trp Ile Cys Arg Lys Arg Lys Arg Glu Gln Pro
 260 265 270

Asp Pro Ser Thr Lys Lys Gln His Thr Ile Trp Pro Ser Pro His Gln
 275 280 285
 Gly Asn Ser Pro Asp Leu Glu Val Tyr Asn Val Ile Arg Lys Gln Ser
 290 295 300
 Glu Ala Asp Leu Ala Glu Thr Arg Pro Asp Leu Lys Asn Ile Ser Phe
 305 310 315 320
 Arg Val Cys Ser Gly Glu Ala Thr Pro Asp Asp Met Ser Cys Asp Tyr
 325 330 335
 Asp Asn Met Ala Val Asn Pro Ser Glu Ser Gly Phe Val Thr Leu Val
 340 345 350
 Ser Val Glu Ser Gly Phe Val Thr Asn Asp Ile Tyr Glu Phe Ser Pro
 355 360 365
 Asp Gln Met Gly Arg Ser Lys Glu Ser Gly Trp Val Glu Asn Glu Ile
 370 375 380
 Tyr Gly Tyr
 385 387

<210> 1312
 <211> 470
 <212>Amino acid
 <213> Homo sapiens

<400> 1312
 Thr Glu Trp Gly Leu Ser Gly Ser Cys Pro Gly Cys Ser Pro Leu Glu
 1 5 10 15
 Pro Gly Ser Arg Gly Arg Gly Ala Ala Ala Trp Arg Ile Leu Arg Cys
 20 25 30
 Arg Arg Leu Pro Glu Pro Ser Pro Phe Leu Thr Gln Pro Asn Leu Ala
 35 40 45
 Gln Ser Gln Pro Pro Ala Pro Val Pro Val Thr Asp Pro Ser Val Thr
 50 55 60
 Met His Pro Ala Val Phe Leu Ser Leu Pro Asp Leu Arg Cys Ser Leu
 65 70 75 80
 Leu Leu Leu Val Thr Trp Val Phe Thr Pro Val Thr Thr Glu Ile Thr
 85 90 95
 Ser Leu Asp Thr Glu Asn Ile Asp Glu Ile Leu Asn Asn Ala Asp Val
 100 105 110
 Ala Leu Val Asn Phe Tyr Ala Asp Trp Cys Arg Phe Ser Gln Met Leu
 115 120 125
 His Pro Ile Phe Glu Glu Ala Ser Asp Val Ile Lys Glu Glu Phe Pro
 130 135 140
 Asn Glu Asn Gln Val Val Phe Ala Arg Val Asp Cys Asp Gln His Ser
 145 150 155 160
 Asp Ile Ala Gln Arg Tyr Arg Ile Ser Lys Tyr Pro Thr Leu Lys Leu
 165 170 175
 Phe Arg Asn Gly Met Met Lys Arg Glu Tyr Arg Gly Gln Arg Ser
 180 185 190
 Val Lys Ala Leu Ala Asp Tyr Ile Arg Gln Gln Lys Ser Asp Pro Ile
 195 200 205
 Gln Glu Ile Arg Asp Leu Ala Glu Ile Thr Thr Leu Asp Arg Ser Lys
 210 215 220
 Arg Asn Ile Ile Gly Tyr Phe Glu Gln Lys Asp Ser Asp Asn Tyr Arg
 225 230 235 240
 Val Phe Glu Arg Val Ala Asn Ile Leu His Asp Asp Cys Ala Phe Leu
 245 250 255
 Ser Ala Phe Gly Asp Val Ser Lys Pro Glu Arg Tyr Ser Gly Asp Asn
 260 265 270
 Ile Ile Tyr Lys Pro Pro Gly His Ser Ala Pro Asp Met Val Tyr Leu
 275 280 285

Gly Ala Met Thr Asn Phe Asp Val Thr Tyr Asn Trp Ile Gln Asp Lys
 290 295 300
 Cys Val Pro Leu Val Arg Glu Ile Thr Phe Glu Asn Gly Glu Glu Leu
 305 310 315 320
 Thr Glu Glu Gly Leu Pro Phe Leu Ile Leu Phe His Met Lys Glu Asp
 325 330 335
 Thr Glu Ser Leu Glu Ile Phe Gln Asn Glu Val Ala Arg Gln Leu Ile
 340 345 350
 Ser Glu Lys Gly Thr Ile Asn Phe Leu His Ala Asp Cys Asp Lys Phe
 355 360 365
 Arg His Pro Leu Leu His Ile Gln Lys Thr Pro Ala Asp Cys Pro Val
 370 375 380
 Ile Ala Ile Asp Ser Phe Arg His Met Tyr Val Phe Gly Asp Phe Lys
 385 390 395 400
 Asp Val Leu Ile Pro Gly Lys Leu Lys Gln Phe Val Phe Asp Leu His
 405 410 415
 Ser Gly Lys Leu His Arg Glu Phe His His Gly Pro Asp Pro Thr Asp
 420 425 430
 Thr Ala Pro Gly Glu Gln Ala Gln Asp Val Ala Ser Ser Pro Pro Glu
 435 440 445
 Ser Ser Phe Gln Lys Leu Ala Pro Ser Glu Tyr Arg Tyr Thr Leu Leu
 450 455 460
 Arg Asp Arg Asp Glu Leu
 465 470

<210> 1313
 <211> 262
 <212>Amino acid
 <213> Homo sapiens

<400> 1313
 Leu Thr Pro Ser Val Gly Pro Val Phe Pro Gly Arg Pro Thr Arg Pro
 1 5 10 15
 Leu Ala Ser Pro Phe Pro Val Pro Leu His Arg Cys Ser Ala Gly Ser
 20 25 30
 Gln Pro Pro Gly Pro Val Pro Glu Gly Leu Ile Arg Ile Tyr Ser Met
 35 40 45
 Arg Phe Cys Pro Tyr Ser His Arg Thr Arg Leu Val Leu Lys Ala Lys
 50 55 60
 Asp Ile Arg His Glu Val Val Asn Ile Asn Leu Arg Asn Lys Pro Glu
 65 70 75 80
 Trp Tyr Tyr Thr Lys His Pro Phe Gly His Ile Pro Val Leu Glu Thr
 85 90 95
 Ser Gln Cys Gln Leu Ile Tyr Glu Ser Val Ile Ala Cys Glu Tyr Leu
 100 105 110
 Asp Asp Ala Tyr Pro Gly Arg Lys Leu Phe Pro Tyr Asp Pro Tyr Glu
 115 120 125
 Arg Ala Arg Gln Lys Met Leu Leu Glu Leu Phe Cys Lys Val Pro His
 130 135 140
 Leu Thr Lys Glu Cys Leu Val Ala Leu Arg Cys Gly Arg Glu Cys Thr
 145 150 155 160
 Asn Leu Lys Ala Ala Leu Arg Gln Glu Phe Ser Asn Leu Glu Glu Ile
 165 170 175
 Leu Glu Tyr Gln Asn Thr Thr Phe Phe Gly Gly Thr Cys Ile Ser Met
 180 185 190
 Ile Asp Tyr Leu Leu Trp Pro Trp Phe Glu Arg Leu Asp Val Tyr Gly
 195 200 205
 Ile Leu Asp Cys Val Ser His Thr Pro Ala Leu Arg Leu Trp Ile Ser
 210 215 220

Ala Met Lys Trp Asp Pro Thr Val Cys Ala Leu Leu Met Asp Lys Ser
 225 230 235 240
 Ile Phe Gln Gly Phe Leu Asn Leu Tyr Phe Gln Asn Asn Pro Asn Ala
 245 250 255
 Phe Asp Phe Gly Leu Cys
 260 262

<210> 1314
 <211> 173
 <212>Amino acid
 <213> Homo sapiens

<400> 1314
 Asn Thr Ala Thr Asn Met Thr Gln Pro Asn Ala Gly Thr Arg Lys Tyr
 1 5 10 15
 Ser Val Pro Ala Ile Ser Val His Thr Ser Ser Ser Ser Phe Ala Tyr
 20 25 30
 Asp Arg Glu Phe Leu Arg Thr Leu Pro Gly Phe Leu Ile Val Ala Glu
 35 40 45
 Ile Val Leu Gly Leu Leu Val Trp Thr Leu Ile Ala Gly Thr Glu Tyr
 50 55 60
 Phe Arg Val Pro Ala Phe Gly Trp Val Met Phe Val Ala Val Phe Tyr
 65 70 75 80
 Trp Val Leu Thr Val Phe Phe Leu Ile Ile Tyr Ile Thr Met Thr Tyr
 85 90 95
 Thr Arg Ile Pro Gln Val Pro Trp Thr Thr Val Gly Leu Cys Phe Asn
 100 105 110
 Gly Ser Ala Phe Val Leu Tyr Leu Ser Ala Ala Val Val Asp Ala Ser
 115 120 125
 Ser Val Ser Pro Glu Arg Asp Ser His Asn Phe Asn Ser Trp Ala Ala
 130 135 140
 Ser Ser Phe Phe Ala Phe Leu Val Thr Ile Cys Tyr Ala Gly Asn Thr
 145 150 155 160
 Tyr Phe Ser Phe Ile Ala Trp Arg Ser Arg Thr Ile Gln
 165 170 173

<210> 1315
 <211> 259
 <212>Amino acid
 <213> Homo sapiens

<400> 1315
 Gly Leu Arg Asp Pro Phe Arg Arg Lys Arg Arg Leu Lys Pro Gln Val
 1 5 10 15
 Lys Met Ser Asn Tyr Val Asn Asp Met Trp Pro Gly Ser Pro Gln Glu
 20 25 30
 Lys Asp Ser Pro Ser Thr Ser Arg Ser Gly Gly Ser Ser Arg Leu Ser
 35 40 45
 Ser Arg Ser Arg Ser Arg Ser Phe Ser Arg Ser Ser Arg Ser His Ser
 50 55 60
 Arg Val Ser Ser Arg Phe Ser Ser Arg Ser Arg Arg Ser Lys Ser Arg
 65 70 75 80
 Ser Arg Ser Arg Arg Arg His Gln Arg Lys Tyr Arg Arg Tyr Ser Arg
 85 90 95

Ser Tyr Ser Arg Ser Arg Ser Arg Ser Arg Ser Arg Arg Arg Tyr Arg Glu
 100 105 110
 Arg Arg Tyr Gly Phe Thr Arg Arg Tyr Tyr Arg Ser Pro Ser Arg Tyr
 115 120 125
 Arg Ser Arg Ser Arg Ser Arg Ser Arg Ser Arg Gly Arg Ser Tyr Cys
 130 135 140
 Gly Arg Ala Tyr Ala Ile Ala Arg Gly Gln Arg Tyr Tyr Gly Phe Gly
 145 150 155 160
 Arg Thr Val Tyr Pro Glu Glu His Ser Arg Trp Arg Asp Arg Ser Arg
 165 170 175
 Thr Arg Ser Arg Ser Arg Thr Pro Phe Arg Leu Ser Glu Lys Asp Arg
 180 185 190
 Met Glu Leu Leu Glu Ile Ala Lys Thr Asn Ala Ala Lys Ala Leu Gly
 195 200 205
 Thr Thr Asn Ile Asp Leu Pro Ala Ser Leu Arg Thr Val Pro Ser Ala
 210 215 220
 Lys Glu Thr Ser Arg Gly Ile Gly Val Ser Ser Asn Gly Ala Lys Pro
 225 230 235 240
 Glu Val Ser Ile Leu Gly Leu Ser Glu Gln Asn Phe Gln Lys Ala Asn
 245 250 255
 Cys Gln Ile
 259

<210> 1316
 <211> 678
 <212>Amino acid
 <213> Homo sapiens

<400> 1316
 Ala Glu Gly Ser Thr Met Asp Leu Thr Lys Met Gly Met Ile Gln Leu
 1 5 10 15
 Gln Asn Pro Asn His Pro Thr Gly Leu Leu Cys Lys Ala Asn Gln Met
 20 25 30
 Arg Leu Ala Gly Thr Leu Cys Asp Val Val Ile Met Val Asp Ser Gln
 35 40 45
 Glu Phe His Ala His Arg Thr Val Leu Ala Cys Thr Ser Lys Met Phe
 50 55 60
 Glu Ile Leu Phe His Arg Asn Ser Gln His Tyr Thr Leu Asp Phe Leu
 65 70 75 80
 Ser Pro Lys Thr Phe Gln Gln Ile Leu Glu Tyr Ala Tyr Thr Ala Thr
 85 90 95
 Leu Gln Ala Lys Ala Glu Asp Leu Asp Asp Leu Leu Tyr Ala Ala Glu
 100 105 110
 Ile Leu Glu Ile Glu Tyr Leu Glu Glu Gln Cys Leu Lys Met Leu Glu
 115 120 125
 Thr Ile Gln Ala Ser Asp Asp Asn Asp Thr Glu Ala Thr Met Ala Asp
 130 135 140
 Gly Gly Ala Glu Glu Lys Lys Asp Arg Lys Ala Arg Tyr Leu Lys Asn
 145 150 155 160
 Ile Phe Ile Ser Lys His Ser Ser Glu Glu Ser Gly Tyr Ala Ser Val
 165 170 175
 Ala Gly Gln Ser Leu Pro Gly Pro Met Val Asp Gln Ser Pro Ser Val
 180 185 190
 Ser Thr Ser Phe Gly Leu Ser Ala Met Ser Pro Thr Lys Ala Ala Val
 195 200 205
 Asp Ser Leu Met Thr Ile Gly Gln Ser Leu Leu Gln Gly Thr Leu Gln
 210 215 220
 Pro Pro Ala Gly Pro Glu Glu Pro Thr Leu Ala Gly Gly Arg His
 225 230 235 240

Pro Gly Val Ala Glu Val Lys Thr Glu Met Met Gln Val Asp Glu Val
 245 250 255
 Pro Ser Gln Asp Ser Pro Gly Ala Ala Glu Ser Ser Ile Ser Gly Gly
 260 265 270
 Met Gly Asp Lys Val Glu Glu Arg Gly Lys Glu Gly Pro Gly Thr Pro
 275 280 285
 Thr Arg Ser Ser Val Ile Thr Ser Ala Arg Glu Leu His Tyr Gly Arg
 290 295 300
 Glu Glu Ser Ala Glu Gln Val Pro Pro Pro Ala Glu Ala Gly Gln Ala
 305 310 315 320
 Pro Thr Gly Arg Pro Glu His Pro Ala Pro Pro Pro Glu Lys His Leu
 325 330 335
 Gly Ile Tyr Ser Val Leu Pro Asn His Lys Ala Asp Ala Val Leu Ser
 340 345 350
 Met Pro Ser Ser Val Thr Ser Gly Leu His Val Gln Pro Ala Leu Ala
 355 360 365
 Val Ser Met Asp Phe Ser Thr Tyr Gly Gly Leu Leu Pro Gln Gly Phe
 370 375 380
 Ile Gln Arg Glu Leu Phe Ser Lys Leu Gly Glu Leu Ala Val Gly Met
 385 390 395 400
 Lys Ser Glu Ser Arg Thr Ile Gly Glu Gln Cys Ser Val Cys Gly Val
 405 410 415
 Glu Leu Pro Asp Asn Glu Ala Val Glu Gln His Arg Lys Leu His Ser
 420 425 430
 Gly Met Lys Thr Tyr Gly Cys Glu Leu Cys Gly Lys Arg Phe Leu Asp
 435 440 445
 Ser Leu Arg Leu Arg Met His Leu Leu Ala His Ser Ala Gly Ala Lys
 450 455 460
 Ala Phe Val Cys Asp Gln Cys Gly Ala Gln Phe Ser Lys Glu Asp Ala
 465 470 475 480
 Leu Glu Thr His Arg Gln Thr His Thr Gly Thr Asp Met Ala Val Phe
 485 490 495
 Cys Leu Leu Cys Gly Lys Arg Phe Gln Ala Gln Ser Ala Leu Gln Gln
 500 505 510
 His Met Glu Val His Ala Gly Val Arg Ser Tyr Ile Cys Ser Glu Cys
 515 520 525
 Asn Arg Thr Phe Pro Ser His Thr Ala Leu Lys Arg His Leu Arg Ser
 530 535 540
 His Thr Gly Asp His Pro Tyr Glu Cys Glu Phe Cys Gly Ser Cys Phe
 545 550 555 560
 Arg Asp Glu Ser Thr Leu Lys Ser His Lys Arg Ile His Thr Gly Glu
 565 570 575
 Lys Pro Tyr Glu Cys Asn Gly Cys Gly Lys Lys Phe Ser Leu Lys His
 580 585 590
 Gln Leu Glu Thr His Tyr Arg Val His Thr Gly Glu Lys Pro Phe Glu
 595 600 605
 Cys Lys Leu Cys His Gln Arg Ser Arg Asp Tyr Ser Ala Met Ile Lys
 610 615 620
 His Leu Arg Thr His Asn Gly Ala Ser Pro Tyr Gln Cys Thr Ile Cys
 625 630 635 640
 Thr Glu Tyr Cys Pro Ser Leu Ser Ser Met Gln Lys His Met Lys Gly
 645 650 655
 His Lys Pro Glu Glu Ile Pro Pro Asp Trp Arg Ile Glu Lys Thr Tyr
 660 665 670
 Leu Tyr Leu Cys Tyr Val
 675 678

<210> 1317
 <211> 74
 <212>Amino acid
 <213> Homo sapiens

<400> 1317

Ile	Trp	Glu	Ala	Pro	Thr	Leu	Ile	Phe	Thr	Leu	Ala	Gly	Gly	Arg	Ala
1				5					10					15	
Leu	Gly	His	Pro	Pro	Met	Gln	Lys	Gly	Ser	Gln	Gly	Cys	Ala	Leu	Pro
					20				25					30	
His	Pro	Leu	Pro	Gly	Ala	Ser	Leu	Pro	Ala	Gln	Pro	Gly	Pro	Ala	Asp
					35				40					45	
His	Arg	Gly	Trp	Glu	Cys	Arg	Ile	Gly	Gly	Glu	Ala	Ser	Val	Phe	Thr
					50				55					60	
His	Leu	Phe	Cys	Leu	Pro	His	Ser	Pro	Thr						
					65				70					74	

<210> 1318

<211> 351

<212>Amino acid

<213> Homo sapiens

<400> 1318

Ala	Ser	Gly	Ser	Pro	Ala	Pro	Ser	Ser	Ser	Ser	Ala	Met	Ala	Ala	Ala
1					5				10				15		
Cys	Gly	Pro	Gly	Ala	Ala	Gly	Tyr	Cys	Leu	Leu	Leu	Gly	Leu	His	Leu
					20				25				30		
Phe	Leu	Leu	Thr	Ala	Gly	Pro	Ala	Leu	Gly	Trp	Asn	Asp	Pro	Asp	Arg
					35				40				45		
Met	Leu	Leu	Arg	Asp	Val	Lys	Ala	Leu	Thr	Leu	His	Tyr	Asp	Arg	Tyr
					50				55			60			
Thr	Thr	Ser	Arg	Arg	Leu	Asp	Pro	Ile	Pro	Gln	Leu	Lys	Cys	Val	Gly
					65				70			75		80	
Gly	Thr	Ala	Gly	Cys	Asp	Ser	Tyr	Thr	Pro	Lys	Val	Ile	Gln	Cys	Gln
					85				90			95			
Asn	Lys	Gly	Trp	Asp	Gly	Tyr	Asp	Val	Gln	Trp	Glu	Cys	Lys	Thr	Asp
					100				105			110			
Leu	Asp	Ile	Ala	Tyr	Lys	Phe	Gly	Lys	Thr	Val	Val	Ser	Cys	Glu	Gly
					115				120			125			
Tyr	Glu	Ser	Ser	Glu	Asp	Gln	Tyr	Val	Leu	Arg	Gly	Ser	Cys	Gly	Leu
					130				135			140			
Glu	Tyr	Asn	Leu	Asp	Tyr	Thr	Glu	Leu	Gly	Leu	Gln	Lys	Leu	Lys	Glu
					145				150			155		160	
Ser	Gly	Lys	Gln	His	Gly	Phe	Ala	Ser	Phe	Ser	Asp	Tyr	Tyr	Tyr	Lys
					165				170			175			
Trp	Ser	Ser	Ala	Asp	Ser	Cys	Asn	Met	Ser	Gly	Leu	Ile	Thr	Ile	Val
					180				185			190			
Val	Leu	Leu	Gly	Ile	Ala	Phe	Val	Val	Tyr	Lys	Leu	Phe	Leu	Ser	Asp
					195				200			205			
Gly	Gln	Tyr	Ser	Pro	Pro	Tyr	Ser	Glu	Tyr	Pro	Pro	Phe	Ser	His	
					210				215			220			
Arg	Tyr	Gln	Arg	Phe	Thr	Asn	Ser	Ala	Gly	Pro	Pro	Pro	Gly	Phe	
					225				230			235		240	
Lys	Ser	Glu	Phe	Thr	Gly	Pro	Gln	Asn	Thr	Gly	His	Gly	Ala	Thr	Ser
					245				250			255			
Gly	Phe	Gly	Ser	Ala	Phe	Thr	Gly	Gln	Gln	Gly	Tyr	Glu	Asn	Ser	Gly
					260				265			270			
Pro	Gly	Phe	Trp	Thr	Gly	Leu	Gly	Thr	Gly	Gly	Ile	Leu	Gly	Tyr	Leu
					275				280			285			
Phe	Gly	Ser	Asn	Arg	Ala	Ala	Thr	Pro	Phe	Ser	Asp	Ser	Trp	Tyr	Tyr
					290				295			300			

Pro Ser Tyr Pro Pro Ser Tyr Pro Gly Thr Trp Asn Arg Ala Tyr Ser
 305 310 315 320
 Pro Leu His Gly Gly Ser Gly Ser Tyr Ser Val Cys Ser Asn Ser Asp
 325 330 335
 Thr Lys Thr Arg Thr Ala Ser Gly Tyr Gly Gly Thr Arg Arg Arg
 340 345 350 351

<210> 1319
 <211> 310
 <212>Amino acid
 <213> Homo sapiens

<400> 1319
 Gly Arg Cys Gly Ala Met Ala Ala Gly Leu Ala Arg Leu Leu Leu
 1 5 10 15
 Leu Gly Leu Ser Ala Gly Gly Pro Ala Pro Ala Gly Ala Ala Lys Met
 20 25 30
 Lys Val Val Glu Glu Pro Asn Ala Phe Gly Val Asn Asn Pro Phe Leu
 35 40 45
 Pro Gln Ala Ser Arg Leu Gln Ala Lys Arg Asp Pro Ser Pro Val Ser
 50 55 60
 Gly Pro Val His Leu Phe Arg Leu Ser Gly Lys Cys Phe Ser Leu Val
 65 70 75 80
 Glu Ser Thr Tyr Lys Tyr Glu Phe Cys Pro Phe His Asn Val Thr Gln
 85 90 95
 His Glu Gln Thr Phe Arg Trp Asn Ala Tyr Ser Gly Ile Leu Gly Ile
 100 105 110
 Trp His Glu Trp Glu Ile Ala Asn Asn Thr Phe Thr Gly Met Trp Met
 115 120 125
 Arg Asp Gly Asp Ala Cys Arg Ser Arg Ser Arg Gln Ser Lys Val Glu
 130 135 140
 Leu Ala Cys Gly Lys Ser Asn Arg Leu Ala His Val Ser Glu Pro Ser
 145 150 155 160
 Thr Cys Val Tyr Ala Leu Thr Phe Glu Thr Pro Leu Val Cys His Pro
 165 170 175
 His Ala Leu Leu Val Tyr Pro Thr Leu Pro Glu Ala Leu Gln Arg Gln
 180 185 190
 Trp Asp Gln Val Glu Gln Asp Leu Ala Asp Glu Leu Ile Thr Pro Gln
 195 200 205
 Gly His Glu Lys Leu Leu Arg Thr Leu Phe Glu Asp Ala Gly Tyr Leu
 210 215 220
 Lys Thr Pro Glu Glu Asn Glu Pro Thr Gln Leu Glu Gly Gly Pro Asp
 225 230 235 240
 Ser Leu Gly Phe Glu Thr Leu Glu Asn Cys Arg Lys Ala His Lys Glu
 245 250 255
 Leu Ser Lys Glu Ile Lys Arg Leu Lys Gly Leu Leu Thr Gln His Gly
 260 265 270
 Ile Pro Tyr Thr Arg Pro Thr Glu Thr Ser Asn Leu Glu His Leu Gly
 275 280 285
 His Glu Thr Pro Arg Ala Lys Ser Pro Glu Gln Leu Arg Gly Asp Pro
 290 295 300
 Gly Leu Arg Gly Ser Leu
 305 310

<210> 1320
 <211> 313
 <212>Amino acid
 <213> Homo sapiens

<400> 1320

Asn Ser Phe Trp Ser Val Leu Phe Leu Val Gln Glu Glu Thr Glu Val
 1 5 10 15
 Ala Arg Cys Asn Ala Gln His Arg Leu Arg Gln Ser Arg Asp Ser Lys
 20 25 30
 Pro Asp Pro Ser Phe Arg Ser Gln Pro Ile Asp Ser Ser Ile Ser Phe
 35 40 45
 Ala Gly Ser Asp Ile Gln Pro Leu Phe Ser Phe Ala Ser Val Asp Gly
 50 55 60
 Thr Gln Val Gly Glu Ala Glu Glu Trp Ala Gly Pro Trp Ala Glu Ala
 65 70 75 80
 Thr Leu Leu Pro Gly Pro Gly Asn Arg Trp Pro Pro Arg Ala Gly Leu
 85 90 95
 Ser Gly Asn Trp Leu Glu Glu Asp Gly Asp Trp Pro Ser Leu Pro Glu
 100 105 110
 Val Val Gly Phe Val Ser Glu Arg Glu Leu Phe Arg Asp Ala Leu Gly
 115 120 125
 Ala Gly Cys Arg Ile Leu Leu Ile Cys Glu Met Gln Leu Thr His Gln
 130 135 140
 Leu Asp Leu Phe Pro Glu Cys Arg Val Thr Leu Leu Leu Phe Lys Asp
 145 150 155 160
 Val Lys Asn Ala Gly Asp Leu Arg Arg Lys Ala Met Glu Gly Thr Ile
 165 170 175
 Asp Gly Ser Leu Ile Asn Pro Thr Val Ile Val Asp Pro Phe Gln Ile
 180 185 190
 Leu Val Ala Ala Asn Lys Ala Val His Leu Tyr Lys Leu Gly Lys Met
 195 200 205
 Lys Thr Arg Thr Leu Ser Thr Glu Ile Ile Phe Asn Leu Ser Pro Asn
 210 215 220
 Asn Asn Ile Ser Glu Ala Leu Lys Lys Phe Gly Ile Ser Ala Asn Asp
 225 230 235 240
 Thr Ser Ile Leu Ile Val Tyr Ile Glu Glu Gly Glu Lys Gln Ile Asn
 245 250 255
 Gln Glu Tyr Leu Ile Ser Gln Val Glu Gly His Gln Val Ser Leu Lys
 260 265 270
 Asn Leu Pro Glu Ile Met Asn Ile Thr Glu Val Lys Lys Ile Tyr Lys
 275 280 285
 Leu Ser Ser Gln Glu Glu Ser Ile Gly Thr Leu Leu Asp Ala Ile Ile
 290 295 300
 Cys Arg Met Ser Thr Lys Asp Val Leu
 305 310 313

<210> 1321

<211> 891

<212>Amino acid

<213> Homo sapiens

<400> 1321

Gln Arg Ser Trp Ala Gly Pro Gly Ala Gly Pro Glu Ala Gly Thr Arg
 1 5 10 15
 Pro Pro Ala Arg Gly Arg Arg Arg Gln Pro Gly Asn Val Asp Pro Arg
 20 25 30
 Arg Arg Ala Pro Gln Leu Arg Ser Gln Met Gln Val Ala Met Ala Arg
 35 40 45

Ala Thr Thr Ala Thr Gly Asn Arg Leu Trp Pro Gly Leu Leu Ile Met
 50 55 60
 Leu Gly Ser Leu Cys His Arg Gly Ser Pro Cys Gly Leu Ser Thr His
 65 70 75 80
 Ile Glu Ile Gly His Arg Ala Leu Glu Phe Leu Gln Leu His Asn Gly
 85 90 95
 Arg Val Asn Tyr Arg Glu Leu Leu Leu Glu His Gln Asp Ala Tyr Gln
 100 105 110
 Ala Gly Ile Val Phe Pro Asp Cys Phe Tyr Pro Ser Ile Cys Lys Gly
 115 120 125
 Gly Lys Phe His Asp Val Ser Glu Ser Thr His Trp Thr Pro Phe Leu
 130 135 140
 Asn Ala Ser Val His Tyr Ile Arg Glu Asn Tyr Pro Leu Pro Trp Glu
 145 150 155 160
 Lys Asp Thr Glu Lys Leu Val Ala Phe Leu Phe Gly Ile Thr Ser His
 165 170 175
 Met Ala Ala Asp Val Ser Trp His Ser Leu Gly Leu Glu Gln Gly Phe
 180 185 190
 Leu Arg Thr Met Gly Ala Ile Asp Phe His Gly Ser Tyr Ser Glu Ala
 195 200 205
 His Ser Ala Gly Asp Phe Gly Gly Asp Val Leu Ser Gln Phe Glu Phe
 210 215 220
 Asn Phe Asn Tyr Leu Ala Arg Arg Trp Tyr Val Pro Val Lys Asp Leu
 225 230 235 240
 Leu Gly Ile Tyr Glu Lys Leu Tyr Gly Arg Lys Val Ile Thr Glu Asn
 245 250 255
 Val Ile Val Asp Cys Ser His Ile Gln Phe Leu Glu Met Tyr Gly Glu
 260 265 270
 Met Leu Ala Val Ser Lys Leu Tyr Pro Thr Tyr Ser Thr Lys Ser Pro
 275 280 285
 Phe Leu Val Glu Gln Phe Gln Glu Tyr Phe Leu Gly Gly Leu Asp Asp
 290 295 300
 Met Ala Phe Trp Ser Thr Asn Ile Tyr His Leu Thr Ile Phe Met Leu
 305 310 315 320
 Glu Asn Gly Thr Ser Asp Cys Asn Leu Pro Glu Asn Pro Leu Phe Ile
 325 330 335
 Ala Cys Gly Gly Gln Gln Asn His Thr Gln Gly Ser Lys Met Gln Lys
 340 345 350
 Asn Asp Phe His Arg Asn Leu Thr Thr Ser Leu Thr Glu Ser Val Asp
 355 360 365
 Arg Asn Ile Asn Tyr Thr Glu Arg Gly Val Phe Phe Ser Val Asn Ser
 370 375 380
 Trp Thr Pro Asp Ser Met Ser Phe Ile Tyr Lys Ala Leu Glu Arg Asn
 385 390 395 400
 Ile Arg Thr Met Phe Ile Gly Gly Ser Gln Leu Ser Gln Lys His Val
 405 410 415
 Ser Ser Pro Leu Ala Ser Tyr Phe Leu Ser Phe Pro Tyr Ala Arg Leu
 420 425 430
 Gly Trp Ala Met Thr Ser Ala Asp Leu Asn Gln Asp Gly His Gly Asp
 435 440 445
 Leu Val Val Gly Ala Pro Gly Tyr Ser Arg Pro Gly His Ile His Ile
 450 455 460
 Gly Arg Val Tyr Leu Ile Tyr Gly Asn Asp Leu Gly Leu Pro Pro Val
 465 470 475 480
 Asp Leu Asp Leu Asp Lys Glu Ala His Arg Ile Leu Glu Gly Phe Gln
 485 490 495
 Pro Ser Gly Arg Phe Gly Ser Ala Leu Ala Val Leu Asp Phe Asn Val
 500 505 510
 Asp Gly Val Pro Asp Leu Ala Val Gly Ala Pro Ser Val Gly Ser Glu
 515 520 525
 Gln Leu Thr Tyr Lys Gly Ala Val Tyr Val Tyr Phe Gly Ser Lys Gln
 530 535 540
 Gly Gly Met Ser Ser Ser Pro Asn Ile Thr Ile Ser Cys Gln Asp Ile
 545 550 560

Tyr Cys Asn Leu Gly Trp Thr Leu Leu Ala Ala Asp Val Asn Gly Asp
 565 570 575
 Ser Glu Pro Asp Leu Val Ile Gly Ser Pro Phe Ala Pro Gly Gly Gly
 580 585 590
 Lys Gln Lys Gly Ile Val Ala Ala Phe Tyr Ser Gly Pro Ser Leu Ser
 595 600 605
 Asp Lys Glu Lys Leu Asn Val Glu Ala Ala Asn Trp Thr Val Arg Gly
 610 615 620
 Glu Glu Asp Phe Ser Trp Phe Gly Tyr Ser Leu His Gly Val Thr Val
 625 630 635 640
 Asp Asn Arg Thr Leu Leu Val Gly Ser Pro Thr Trp Lys Asn Ala
 645 650 655
 Ser Arg Leu Gly His Leu Leu His Ile Arg Asp Glu Lys Lys Ser Leu
 660 665 670
 Gly Arg Val Tyr Gly Tyr Phe Pro Pro Asn Gly Gln Ser Trp Phe Thr
 675 680 685
 Ile Ser Gly Asp Lys Ala Met Gly Lys Leu Gly Thr Ser Leu Ser Ser
 690 695 700
 Gly His Val Leu Met Asn Gly Thr Leu Lys Gln Val Leu Leu Val Gly
 705 710 715 720
 Ala Pro Thr Tyr Asp Asp Val Ser Lys Val Ala Phe Leu Thr Val Thr
 725 730 735
 Leu His Gln Gly Gly Ala Thr Arg Met Tyr Ala Leu Thr Ser Asp Ala
 740 745 750
 Gln Pro Leu Leu Leu Ser Thr Phe Ser Gly Asp Arg Arg Phe Ser Arg
 755 760 765
 Phe Gly Gly Val Leu His Leu Ser Asp Leu Asp Asp Asp Gly Leu Asp
 770 775 780
 Glu Ile Ile Met Ala Ala Pro Leu Arg Ile Ala Asp Val Thr Ser Gly
 785 790 795 800
 Leu Ile Gly Gly Glu Asp Gly Arg Val Tyr Val Tyr Asn Gly Lys Glu
 805 810 815
 Thr Thr Leu Gly Asp Met Thr Gly Lys Cys Lys Ser Trp Ile Thr Pro
 820 825 830
 Cys Pro Glu Glu Lys Ala Gln Tyr Val Leu Ile Ser Pro Glu Ala Ser
 835 840 845
 Ser Arg Phe Gly Ser Ser Leu Ile Thr Val Arg Ser Lys Ala Lys Asn
 850 855 860
 Gln Val Val Ile Ala Ala Gly Arg Ser Ser Leu Gly Ala Arg Leu Ser
 865 870 875 880
 Gly Ala Leu His Val Tyr Ser Leu Gly Ser Asp
 885 890 891

<210> 1322
 <211> 119
 <212>Amino acid
 <213> Homo sapiens

<400> 1322
 Ser Leu Arg Asn Ser Ala Arg Gly Leu Lys Met Ala Ala Ser Ala Ala
 1 5 10 15
 Arg Gly Ala Ala Ala Leu Arg Arg Ser Ile Asn Gln Pro Val Ala Phe
 20 25 30
 Val Arg Arg Ile Pro Trp Thr Ala Ala Ser Ser Gln Leu Lys Glu His
 35 40 45
 Phe Ala Gln Phe Gly His Val Arg Arg Cys Ile Leu Pro Phe Asp Lys
 50 55 60
 Glu Thr Gly Phe His Arg Gly Leu Gly Trp Val Gln Phe Ser Ser Glu
 65 70 75 80

Glu Gly Leu Arg Asn Ala Leu Gln Gln Glu Asn His Ile Ile Asp Gly
 85 90 95
 Val Lys Val Gln Val His Thr Arg Arg Pro Lys Leu Pro Gln Thr Ser
 100 105 110
 Asp Asp Glu Lys Lys Asp Phe
 115 119

<210> 1323
<211> 257
<212>Amino acid
<213> Homo sapiens

<400> 1323
Gly Ser Ser Asn Ile His Ser Ala Ser Thr His Gly Phe Cys His Trp
 1 5 10 15
 Phe Ser Ser Pro Ser Thr Leu Lys Arg Gln Lys Gln Ala Ile Arg Phe
 20 25 30
 Gln Lys Ile Arg Arg Gln Met Glu Ala Pro Gly Ala Pro Pro Arg Thr
 35 40 45
 Leu Thr Trp Glu Ala Met Glu Gln Ile Arg Tyr Leu His Glu Glu Phe
 50 55 60
 Pro Glu Ser Trp Ser Val Pro Arg Leu Ala Glu Gly Phe Asp Val Ser
 65 70 75 80
 Thr Asp Val Ile Arg Arg Val Leu Lys Ser Lys Phe Leu Pro Thr Leu
 85 90 95
 Glu Gln Lys Leu Lys Gln Asp Gln Lys Val Leu Lys Lys Ala Gly Leu
 100 105 110
 Ala His Ser Leu Gln His Leu Arg Gly Ser Gly Asn Thr Ser Lys Leu
 115 120 125
 Leu Pro Ala Gly His Ser Val Ser Gly Ser Leu Leu Met Pro Gly His
 130 135 140
 Glu Ala Ser Ser Lys Asp Pro Asn His Ser Thr Ala Leu Lys Val Ile
 145 150 155 160
 Glu Ser Asp Thr His Arg Thr Asn Thr Pro Arg Arg Arg Lys Gly Arg
 165 170 175
 Asn Lys Glu Ile Gln Asp Leu Glu Ser Phe Val Pro Val Ala Ala
 180 185 190
 Pro Leu Gly His Pro Arg Glu Leu Gln Lys Tyr Ser Ser Asp Ser Glu
 195 200 205
 Ser Pro Arg Gly Thr Gly Ser Gly Ala Leu Pro Ser Gly Gln Lys Leu
 210 215 220
 Glu Glu Leu Lys Ala Glu Glu Pro Asp Asn Phe Ser Ser Lys Val Val
 225 230 235 240
 Gln Arg Gly Arg Glu Phe Phe Asp Ser Asn Gly Asn Phe Leu Tyr Arg
 245 250 255
 Ile
 257

<210> 1324
<211> 273
<212>Amino acid
<213> Homo sapiens

<400> 1324

Glu Thr Arg Val Lys Thr Ser Leu Glu Leu Leu Arg Thr Gln Leu Glu
 1 5 10 15
 Pro Thr Gly Thr Val Gly Asn Thr Ile Met Thr Ser Gln Pro Val Pro
 20 25 30
 Asn Glu Thr Ile Ile Val Leu Pro Ser Asn Val Ile Asn Phe Ser Gln
 35 40 45
 Ala Glu Lys Pro Glu Pro Thr Asn Gln Gly Gln Asp Ser Leu Lys Lys
 50 55 60
 His Leu His Ala Glu Ile Lys Val Ile Gly Thr Ile Gln Ile Leu Cys
 65 70 75 80
 Gly Met Met Val Leu Ser Leu Gly Ile Ile Leu Ala Ser Ala Ser Phe
 85 90 95
 Ser Pro Asn Phe Thr Gln Val Thr Ser Thr Leu Leu Asn Ser Ala Tyr
 100 105 110
 Pro Phe Ile Gly Pro Phe Phe Ile Ile Ser Gly Ser Leu Ser Ile
 115 120 125
 Ala Thr Glu Lys Arg Leu Thr Lys Leu Leu Val His Ser Ser Leu Val
 130 135 140
 Gly Ser Ile Leu Ser Ala Leu Ser Ala Leu Val Gly Phe Ile Ile Leu
 145 150 155 160
 Ser Val Lys Gln Ala Thr Leu Asn Pro Ala Ser Leu Gln Cys Glu Leu
 165 170 175
 Asp Lys Asn Asn Ile Pro Thr Arg Ser Tyr Val Ser Tyr Phe Tyr His
 180 185 190
 Asp Ser Leu Tyr Thr Thr Asp Cys Tyr Thr Ala Lys Ala Ser Leu Ala
 195 200 205
 Gly Thr Leu Ser Leu Met Leu Ile Cys Thr Leu Leu Glu Phe Cys Leu
 210 215 220
 Ala Val Leu Thr Ala Val Leu Arg Trp Lys Gln Ala Tyr Ser Asp Phe
 225 230 235 240
 Pro Gly Ser Val Leu Phe Leu Pro His Ser Tyr Ile Gly Asn Ser Gly
 245 250 255
 Met Ser Ser Lys Met Thr His Asp Cys Gly Tyr Glu Glu Leu Leu Thr
 260 265 270
 Ser
 273

<210> 1325
 <211> 477
 <212>Amino acid
 <213> Homo sapiens

<400> 1325
 Glu Met Val Gly Ala Met Trp Lys Val Ile Val Ser Leu Val Leu Leu
 1 5 10 15
 Met Pro Gly Pro Cys Asp Gly Leu Phe Arg Ser Leu Tyr Arg Ser Val
 20 25 30
 Ser Met Pro Pro Lys Gly Asp Ser Gly Gln Pro Leu Phe Leu Thr Pro
 35 40 45
 Tyr Ile Glu Ala Gly Lys Ile Gln Lys Gly Arg Glu Leu Ser Leu Val
 50 55 60
 Gly Pro Phe Pro Gly Leu Asn Met Lys Ser Tyr Ala Gly Phe Leu Thr
 65 70 75 80
 Val Asn Lys Thr Tyr Asn Ser Asn Leu Phe Phe Trp Phe Phe Pro Ala
 85 90 95
 Gln Ile Gln Pro Glu Asp Ala Pro Val Val Leu Trp Leu Gln Gly Gly
 100 105 110
 Pro Gly Gly Ser Ser Met Phe Gly Leu Phe Val Glu His Gly Pro Tyr
 115 120 125

Val Val Thr Ser Asn Met Thr Leu Arg Asp Arg Asp Phe Pro Trp Thr
 130 135 140
 Thr Thr Leu Ser Met Leu Tyr Ile Asp Asn Pro Val Gly Thr Gly Phe
 145 150 155 160
 Ser Phe Thr Asp Asp Thr His Gly Tyr Ala Val Asn Glu Asp Asp Val
 165 170 175
 Ala Arg Asp Leu Tyr Ser Ala Leu Ile Gln Phe Phe Gln Ile Phe Pro
 180 185 190
 Glu Tyr Lys Asn Asn Asp Phe Tyr Val Thr Gly Glu Ser Tyr Ala Gly
 195 200 205
 Lys Tyr Val Pro Ala Ile Ala His Leu Ile His Ser Leu Asn Pro Val
 210 215 220
 Arg Glu Val Lys Ile Asn Leu Asn Gly Ile Ala Ile Gly Asp Gly Tyr
 225 230 235 240
 Ser Asp Pro Glu Ser Ile Ile Gly Gly Tyr Ala Glu Phe Leu Tyr Gln
 245 250 255
 Ile Gly Leu Leu Asp Glu Lys Gln Lys Lys Tyr Phe Gln Lys Gln Cys
 260 265 270
 His Glu Cys Ile Glu His Ile Arg Lys Gln Asn Trp Phe Glu Ala Phe
 275 280 285
 Glu Ile Leu Asp Lys Leu Leu Asp Gly Asp Leu Thr Ser Asp Pro Ser
 290 295 300
 Tyr Phe Gln Asn Val Thr Gly Cys Ser Asn Tyr Tyr Asn Phe Leu Arg
 305 310 315 320
 Cys Thr Glu Pro Glu Asp Gln Leu Tyr Tyr Val Lys Phe Leu Ser Leu
 325 330 335
 Pro Glu Val Arg Gln Ala Ile His Val Gly Asn Gln Thr Phe Asn Asp
 340 345 350
 Gly Thr Ile Val Glu Lys Tyr Leu Arg Glu Asp Thr Val Gln Ser Val
 355 360 365
 Lys Pro Trp Leu Thr Glu Ile Met Asn Asn Tyr Lys Val Leu Ile Tyr
 370 375 380
 Asn Gly Gln Leu Asp Ile Ile Val Ala Ala Ala Leu Thr Glu Arg Ser
 385 390 395 400
 Leu Met Gly Met Asp Trp Lys Gly Ser Gln Glu Tyr Lys Lys Ala Glu
 405 410 415
 Lys Lys Val Trp Lys Ile Phe Lys Ser Asp Ser Glu Val Ala Gly Tyr
 420 425 430
 Ile Arg Gln Ala Gly Asp Phe His Gln Val Ile Ile Arg Gly Gly Gly
 435 440 445
 His Ile Leu Pro Tyr Asp Gln Pro Leu Arg Ala Phe Asp Met Ile Asn
 450 455 460
 Arg Phe Ile Tyr Gly Lys Gly Trp Asp Pro Tyr Val Gly
 465 470 475 477

<210> 1326
 <211> 160
 <212>Amino acid
 <213> Homo sapiens

<400> 1326
 Arg Asp Glu Arg Ala Lys Val Pro Phe Arg Ser Thr Glu Gly Gly Arg
 1 5 10 15
 Arg Arg Arg Arg Arg Met Glu Ala Val Val Phe Val Phe Ser Leu Leu
 20 25 30
 Asp Cys Cys Ala Leu Ile Phe Leu Ser Val Tyr Phe Ile Ile Thr Leu
 35 40 45
 Ser Asp Leu Glu Cys Asp Tyr Ile Asn Ala Arg Ser Cys Cys Ser Lys
 50 55 60

Leu Asn Lys Trp Val Ile Pro Glu Leu Ile Gly His Thr Ile Val Thr
 65 70 75 80
 Val Leu Leu Leu Met Ser Leu His Trp Phe Ile Phe Leu Leu Asn Leu
 85 90 95
 Pro Val Ala Thr Trp Asn Ile Tyr Arg Tyr Ile Met Val Pro Ser Gly
 100 105 110
 Asn Met Gly Val Phe Asp Pro Thr Glu Ile His Asn Arg Gly Gln Leu
 115 120 125
 Lys Ser His Met Lys Glu Ala Met Ile Lys Leu Gly Phe His Leu Leu
 130 135 140
 Cys Phe Phe Met Tyr Leu Tyr Ser Met Ile Leu Ala Leu Ile Asn Asp
 145 150 155 160

<210> 1327
 <211> 131
 <212>Amino acid
 <213> Homo sapiens

<400> 1327
 Gln Ser Pro Gly His Gly Ala Pro Cys Gln Leu Ser Ser Ser His Ser
 1 5 10 15
 Arg Ser Asn Arg Leu Leu Ser Pro Met Ala Arg Ala Thr Leu Ser Ala
 20 25 30
 Ala Pro Ser Asn Pro Arg Leu Leu Arg Val Ala Leu Leu Leu Leu
 35 40 45
 Leu Val Ala Ala Ser Arg Arg Ala Ala Gly Ala Pro Leu Ala Thr Glu
 50 55 60
 Leu Arg Cys Gln Cys Leu Gln Thr Leu Gln Gly Ile His Leu Lys Asn
 65 70 75 80
 Ile Gln Ser Val Lys Val Lys Ser Pro Gly Pro His Cys Ala Gln Thr
 85 90 95
 Glu Val Ile Ala Thr Leu Lys Asn Gly Gln Lys Ala Cys Leu Asn Pro
 100 105 110
 Ala Ser Pro Met Val Lys Lys Ile Ile Glu Lys Met Leu Lys Asn Gly
 115 120 125
 Lys Ser Asn
 130 131

<210> 1328
 <211> 44
 <212>Amino acid
 <213> Homo sapiens

<400> 1328
 His Pro Leu Ser Leu Val Phe Leu Ala Leu Asn Thr Gly Lys Glu Lys
 1 5 10 15
 Ser His Pro Gly Gly Gly Glu Arg Pro Gly Leu Ala Gly Gln Gly
 20 25 30
 Glu Pro Asp His Pro Ala Gly Ala Arg Asp Gly Arg
 35 40 44

<210> 1329
<211> 525
<212>Amino acid
<213> Homo sapiens

<400> 1329

Cys	Thr	Pro	Val	Ala	Arg	Ser	Met	Ala	Thr	Thr	Ala	Thr	Cys	Thr	Arg
1				5					10					15	
Phe	Thr	Asp	Asp	Tyr	Gln	Leu	Phe	Glu	Glu	Leu	Gly	Lys	Gly	Ala	Phe
				20				25					30		
Ser	Val	Val	Arg	Arg	Cys	Val	Lys	Lys	Thr	Ser	Thr	Gln	Glu	Tyr	Ala
				35			40					45			
Ala	Lys	Ile	Ile	Asn	Thr	Lys	Lys	Leu	Ser	Ala	Arg	Asp	His	Gln	Lys
	50				55					60					
Leu	Glu	Arg	Glu	Ala	Arg	Ile	Cys	Arg	Leu	Leu	Lys	His	Pro	Asn	Ile
	65				70				75				80		
Val	Arg	Leu	His	Asp	Ser	Ile	Ser	Glu	Glu	Gly	Phe	His	Tyr	Leu	Val
				85				90				95			
Phe	Asp	Leu	Val	Thr	Gly	Gly	Glu	Leu	Phe	Glu	Asp	Ile	Val	Ala	Arg
	100				105				110						
Glu	Tyr	Tyr	Ser	Glu	Ala	Asp	Ala	Ser	His	Cys	Ile	His	Gln	Ile	Leu
	115				120			125							
Glu	Ser	Val	Asn	His	Ile	His	Gln	His	Asp	Ile	Val	His	Arg	Asp	Leu
	130				135				140						
Lys	Pro	Glu	Asn	Leu	Leu	Ala	Ser	Lys	Cys	Lys	Gly	Ala	Ala	Val	
	145				150			155					160		
Lys	Leu	Ala	Asp	Phe	Gly	Leu	Ala	Ile	Glu	Val	Gln	Gly	Glu	Gln	
				165				170				175			
Ala	Trp	Phe	Phe	Ala	Gly	Thr	Pro	Gly	Tyr	Leu	Ser	Pro	Glu	Val	
	180				185				190						
Leu	Arg	Lys	Asp	Pro	Tyr	Gly	Lys	Pro	Val	Asp	Ile	Trp	Ala	Cys	Gly
	195				200			205							
Val	Ile	Leu	Tyr	Ile	Leu	Leu	Val	Gly	Tyr	Pro	Pro	Phe	Trp	Asp	Glu
	210				215			220							
Asp	Gln	His	Lys	Leu	Tyr	Gln	Gln	Ile	Lys	Ala	Gly	Ala	Tyr	Asp	Phe
	225				230			235					240		
Pro	Ser	Pro	Glu	Trp	Asp	Thr	Val	Thr	Pro	Glu	Ala	Lys	Asn	Leu	Ile
					245			250				255			
Asn	Gln	Met	Leu	Thr	Ile	Asn	Pro	Ala	Lys	Arg	Ile	Thr	Ala	Asp	Gln
				260			265			270					
Ala	Leu	Lys	His	Pro	Trp	Val	Cys	Gln	Arg	Ser	Thr	Val	Ala	Ser	Met
				275			280			285					
Met	His	Arg	Gln	Glu	Thr	Val	Glu	Cys	Leu	Arg	Lys	Phe	Asn	Ala	Arg
	290			295					300						
Arg	Lys	Leu	Lys	Gly	Ala	Ile	Leu	Thr	Thr	Met	Leu	Val	Ser	Arg	Asn
	305				310			315					320		
Phe	Ser	Ala	Ala	Lys	Ser	Leu	Leu	Asn	Lys	Lys	Ser	Asp	Gly	Gly	Val
				325			330			335					
Lys	Pro	Gln	Ser	Asn	Asn	Lys	Asn	Ser	Leu	Val	Ser	Pro	Ala	Gln	Glu
				340			345			350					
Pro	Ala	Pro	Leu	Gln	Thr	Ala	Met	Glu	Pro	Gln	Thr	Thr	Val	Val	His
				355			360			365					
Asn	Ala	Thr	Asp	Gly	Ile	Lys	Gly	Ser	Thr	Glu	Ser	Cys	Asn	Thr	Thr
	370				375				380						
Thr	Glu	Asp	Glu	Asp	Leu	Lys	Val	Arg	Lys	Gln	Glu	Ile	Ile	Lys	Ile
	385				390			395					400		
Thr	Glu	Gln	Leu	Ile	Glu	Ala	Ile	Asn	Asn	Gly	Asp	Phe	Glu	Ala	Tyr
				405			410			415					
Thr	Lys	Ile	Cys	Asp	Pro	Gly	Leu	Thr	Ser	Phe	Glu	Pro	Glu	Ala	Leu
				420			425			430					

Gly Asn Leu Val Glu Gly Met Asp Phe His Lys Phe Tyr Phe Glu Asn
 435 440 445
 Leu Leu Ser Lys Asn Ser Lys Pro Ile His Thr Thr Ile Leu Asn Pro
 450 455 460
 His Val His Val Ile Gly Glu Asp Ala Ala Cys Ile Ala Tyr Ile Arg
 465 470 475 480
 Leu Thr Gln Tyr Ile Asp Gly Gln Gly Arg Pro Arg Thr Ser Gln Ser
 485 490 495
 Glu Glu Thr Arg Val Trp His Arg Arg Asp Gly Lys Trp Leu Asn Val
 500 505 510
 His Tyr His Cys Ser Gly Ala Pro Ala Ala Pro Leu Gln
 515 520 525

<210> 1330

<211> 205

<212>Amino acid

<213> Homo sapiens

<400> 1330

Asn Arg Arg Thr Val Lys Met Leu Leu Glu Leu Ser Glu Glu His Lys
 1 5 10 15
 Glu His Leu Ala Phe Leu Pro Gln Val Asp Ser Ala Val Val Ala Glu
 20 25 30
 Phe Gly Arg Ile Ala Val Glu Phe Leu Arg Arg Gly Ala Asn Pro Lys
 35 40 45
 Ile Tyr Glu Gly Ala Ala Arg Lys Leu Asn Val Ser Ser Asp Thr Val
 50 55 60
 Gln His Gly Val Glu Gly Leu Thr Tyr Leu Leu Thr Glu Ser Ser Lys
 65 70 75 80
 Leu Met Ile Ser Glu Leu Asp Phe Gln Asp Ser Val Phe Val Leu Gly
 85 90 95
 Phe Ser Glu Glu Leu Asn Lys Leu Leu Gln Leu Tyr Leu Asp Asn
 100 105 110
 Arg Lys Glu Ile Arg Thr Ile Leu Ser Glu Leu Ala Pro Ser Leu Pro
 115 120 125
 Ser Tyr His Asn Leu Glu Trp Arg Leu Asp Val Gln Leu Ala Ser Arg
 130 135 140
 Ser Leu Arg Gln Gln Ile Lys Pro Ala Val Thr Ile Lys Leu His Leu
 145 150 155 160
 Asn Gln Asn Gly Asp His Asn Thr Lys Val Leu Gln Thr Asp Pro Ala
 165 170 175
 Thr Leu Leu His Leu Val Gln Gln Leu Glu Gln Ala Leu Glu Glu Met
 180 185 190
 Lys Thr Asn His Cys Arg Arg Val Val Arg Asn Ile Lys
 195 200 205

<210> 1331

<211> 78

<212>Amino acid

<213> Homo sapiens

<400> 1331

Gly Thr Ser Ile Tyr Leu Ala His Arg Val Ala Arg Ala Trp Glu Leu
 1 5 10 15

Ala Gln Phe Ile His His Thr Ser Lys Lys Ala Asp Val Val Leu Ala
 20 25 30
 Cys Gly Asp Ser Ile Val His Pro Glu Asp Leu Ile Cys Cys Pro Leu
 35 40 45
 Thr Gly Arg Ser Cys Leu Cys Asp Val His Leu Leu Ser Ser Leu Leu
 50 55 60
 Ala Arg Leu Gly Arg Gly Tyr Ala Val Ser Leu Thr Asn Leu
 65 70 75 78

<210> 1332
 <211> 274
 <212>Amino acid
 <213> Homo sapiens

<400> 1332
 Arg Gly Cys Gly Ser Cys Gly Tyr Lys Pro Ser Ala Gly Pro Ala Trp
 1 5 10 15
 Arg Pro Arg Pro Pro Pro Ala Val Ser Pro Leu Arg His Pro Glu Pro
 20 25 30
 Ala Lys Val Leu Ser Phe Ser Ser Cys Pro Leu Pro Ala Leu Gly Arg
 35 40 45
 Thr Gly Pro Ser Arg Ala Ala Arg Ala Gln Ser Leu Thr Met Ala Ser
 50 55 60
 Leu Phe Lys Lys Lys Thr Val Asp Asp Val Ile Lys Glu Gln Asn Arg
 65 70 75 80
 Glu Leu Arg Gly Thr Gln Arg Ala Ile Ile Arg Asp Arg Ala Ala Leu
 85 90 95
 Glu Lys Gln Glu Lys Gln Leu Glu Leu Glu Ile Lys Lys Met Ala Lys
 100 105 110
 Ile Gly Asn Lys Glu Ala Cys Lys Val Leu Ala Lys Gln Leu Val His
 115 120 125
 Leu Arg Lys Gln Lys Thr Arg Thr Phe Ala Val Ser Ser Lys Val Thr
 130 135 140
 Ser Met Ser Thr Gln Thr Lys Val Met Asn Ser Gln Met Lys Met Ala
 145 150 155 160
 Gly Ala Met Ser Thr Thr Ala Lys Thr Met Gln Ala Val Asn Lys Lys
 165 170 175
 Met Asp Pro Gln Lys Thr Leu Gln Thr Met Gln Asn Phe Gln Lys Glu
 180 185 190
 Asn Met Lys Met Glu Met Thr Glu Glu Met Ile Asn Asp Thr Leu Asp
 195 200 205
 Asp Ile Phe Asp Gly Ser Asp Asp Glu Glu Ser Gln Asp Ile Val
 210 215 220
 Asn Gln Val Leu Asp Glu Ile Gly Ile Glu Ile Ser Gly Lys Met Ala
 225 230 235 240
 Lys Ala Pro Ser Ala Ala Arg Ser Leu Pro Ser Ala Ser Thr Ser Lys
 245 250 255
 Ala Thr Ile Ser Asp Glu Glu Ile Glu Arg Gln Leu Lys Ala Leu Gly
 260 265 270
 Val Asp
 274

<210> 1333
 <211> 157
 <212>Amino acid
 <213> Homo sapiens

<400> 1333

Ser Thr Asp Gly Asn Gly Ala Glu Arg Leu Phe Ala Glu Leu Arg Lys
 1 5 10 15
 Met Asn Ala Arg Gly Leu Gly Ser Glu Leu Lys Asp Ser Ile Pro Val
 20 25 30
 Thr Glu Leu Ser Ala Ser Gly Pro Phe Glu Ser His Asp Leu Leu Arg
 35 40 45
 Lys Gly Phe Ser Cys Val Lys Asn Glu Leu Leu Pro Ser His Pro Leu
 50 55 60
 Glu Leu Ser Glu Lys Asn Phe Gln Leu Asn Gln Asp Lys Met Asn Phe
 65 70 75 80
 Ser Thr Leu Arg Asn Ile Gln Gly Leu Phe Ala Pro Leu Lys Leu Gln
 85 90 95
 Met Glu Phe Lys Ala Val Gln Gln Val Gln Arg Leu Pro Phe Leu Ser
 100 105 110
 Ser Ser Asn Leu Ser Leu Asp Val Leu Arg Gly Asn Asp Glu Thr Ile
 115 120 125
 Gly Phe Glu Asp Ile Leu Asn Asp Pro Ser Gln Ser Glu Val Met Gly
 130 135 140
 Glu Pro His Leu Met Val Glu Tyr Lys Leu Gly Leu Leu
 145 150 155 157

<210> 1334

<211> 193
 <212> Amino acid
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(193)
 <223> X = any amino acid or stop code

<400> 1334

Arg Asn Met Lys Leu His Tyr Val Ala Val Leu Thr Leu Ala Ile Leu
 1 5 10 15
 Met Phe Leu Thr Trp Leu Pro Glu Ser Leu Ser Cys Asn Lys Ala Leu
 20 25 30
 Cys Ala Ser Asp Val Ser Lys Cys Leu Ile Gln Glu Leu Cys Gln Cys
 35 40 45
 Arg Pro Gly Glu Gly Asn Cys Ser Cys Cys Lys Glu Cys Met Leu Cys
 50 55 60
 Leu Gly Ala Leu Trp Asp Glu Cys Cys Asp Cys Val Gly Met Cys Asn
 65 70 75 80
 Pro Arg Asn Tyr Ser Asp Thr Pro Pro Thr Ser Lys Ser Thr Val Glu
 85 90 95
 Glu Leu His Glu Pro Ile Pro Ser Leu Phe Arg Ala Leu Thr Glu Gly
 100 105 110
 Asp Thr Gln Leu Asn Trp Asn Ile Val Ser Phe Pro Val Ala Glu Glu
 115 120 125
 Leu Ser His His Glu Asn Leu Val Ser Phe Leu Glu Thr Val Asn Gln
 130 135 140
 Pro His His Gln Asn Val Ser Val Pro Ser Asn Asn Val His Ala Pro
 145 150 155 160
 Tyr Ser Ser Asp Lys Glu Xaa Leu Pro Thr Val Asp Phe Phe His Ser
 165 170 175
 Ala Pro Ser Cys Gly Leu Ser Met Xaa Ser Ile Ile Phe Phe Glu Glu

	180	185	190
Thr			
193			

<210> 1335
<211> 179
<212>Amino acid
<213> Homo sapiens

<400> 1335

Val Gly Gly Val Pro Thr Trp Leu Glu Gly Cys Gly Ser Gly Asn Pro	1 5 10 15	15
Ser Pro Arg Ser Gly Gly Pro Gly Ala Arg Leu Thr Leu Pro Ala	20 25 30	
Leu Gln Met Thr Val His Asn Leu Tyr Leu Phe Asp Arg Asn Gly Val	35 40 45	
Cys Leu His Tyr Ser Glu Trp His Arg Lys Lys Gln Ala Gly Ile Pro	50 55 60	
Lys Glu Glu Glu Tyr Lys Leu Met Tyr Gly Met Leu Phe Ser Ile Arg	65 70 75 80	
Ser Phe Val Ser Lys Met Ser Pro Leu Asp Met Lys Asp Gly Phe Leu	85 90 95	
Ala Phe Gln Thr Ser Arg Tyr Lys Leu His Tyr Tyr Glu Thr Pro Thr	100 105 110	
Gly Ile Lys Val Val Met Asn Thr Asp Leu Gly Val Gly Pro Ile Arg	115 120 125	
Asp Val Leu His His Ile Tyr Ser Ala Leu Tyr Val Glu Leu Val Val	130 135 140	
Lys Asn Pro Leu Cys Pro Leu Gly Gln Thr Val Gln Ser Glu Leu Phe	145 150 155 160	
Arg Ser Arg Leu Asp Ser Tyr Val Arg Ser Leu Pro Phe Phe Ser Ala	165 170 175	
Arg Ala Gly		
179		

<210> 1336
<211> 236
<212>Amino acid
<213> Homo sapiens

<400> 1336

Pro Gly Leu Ser Gln Glu Pro Ser Gly Ser Met Glu Thr Val Val Ile	1 5 10 15	15
Val Ala Ile Gly Val Leu Ala Thr Ile Phe Leu Ala Ser Phe Ala Ala	20 25 30	
Leu Val Leu Val Cys Arg Gln Arg Tyr Cys Arg Pro Arg Asp Leu Leu	35 40 45	
Gln Arg Tyr Asp Ser Lys Pro Ile Val Asp Leu Ile Gly Ala Met Glu	50 55 60	
Thr Gln Ser Glu Pro Ser Glu Leu Glu Leu Asp Asp Val Val Ile Thr	65 70 75 80	
Asn Pro His Ile Glu Ala Ile Leu Glu Asn Glu Asp Trp Ile Glu Asp	85 90 95	
Ala Ser Gly Leu Met Ser His Cys Ile Ala Ile Leu Lys Ile Cys His		

100	105	110
Thr Leu Thr Glu Lys Leu Val Ala Met	Thr Met Gly Ser	Gly Ala Lys
115	120	125
Met Lys Thr Ser Ala Ser Val Ser Asp	Ile Ile Val Val Ala Lys Arg	
130	135	140
Ile Ser Pro Arg Val Asp Asp Val Val Lys Ser	Met Tyr Pro Pro Leu	
145	150	155
Asp Pro Lys Leu Leu Asp Ala Arg Thr	Thr Ala Leu Leu Leu Ser Val	
165	170	175
Ser His Leu Val Leu Val Thr Arg Asn Ala Cys	His Leu Thr Gly Gly	
180	185	190
Leu Asp Trp Ile Asp Gln Ser Leu Ser Ala Ala	Glu Glu His Leu Glu	
195	200	205
Val Leu Arg Glu Ala Ala Leu Ala Ser Glu Pro	Asp Lys Gly Leu Pro	
210	215	220
Gly Pro Glu Gly Phe Leu Gln Glu Gln Ser Ala Ile		
225	230	235 236

<210> 1337

<211> 161

<212>Amino acid

<213> Homo sapiens

<400> 1337

Val Gly Met Glu Leu Pro Ala Val Asn Leu Lys Val	Ile Leu Leu Gly		
1	5	10	15
His Trp Leu Leu Thr Thr Trp Gly Cys Ile Val Phe	Ser Gly Ser Tyr		
20	25	30	
Ala Trp Ala Asn Phe Thr Ile Leu Ala Leu Gly Val	Trp Ala Val Ala		
35	40	45	
Gln Arg Asp Ser Ile Asp Ala Ile Ser Met Phe Leu	Gly Gly Leu Leu		
50	55	60	
Ala Thr Ile Phe Leu Asp Ile Val His Ile Ser Ile	Phe Tyr Pro Arg		
65	70	75	80
Val Ser Leu Thr Asp Thr Gly Arg Phe Gly Val Gly	Met Ala Ile Leu		
85	90	95	
Ser Leu Leu Leu Lys Pro Leu Ser Cys Cys Phe Val	Tyr His Met Tyr		
100	105	110	
Arg Glu Arg Gly Gly Glu Leu Leu Val His Thr Gly	Phe Leu Gly Ser		
115	120	125	
Ser Gln Asp Arg Ser Ala Tyr Gln Thr Ile Asp Ser	Ala Glu Ala Pro		
130	135	140	
Ala Asp Pro Phe Ala Val Pro Glu Gly Arg Ser Gln	Asp Ala Arg Gly		
145	150	155	160
Tyr			
161			

<210> 1338

<211> 200

<212>Amino acid

<213> Homo sapiens

<400> 1338

Pro Ala Ser Arg Pro Leu Leu Gly Pro Asp Thr Gly Ser Val Ala Asn

1	5	10	15
Ile Phe Lys Gly Leu Val Ile Leu Pro Glu Met Ser Leu Val Ile Arg			
20	25	30	
Asn Leu Gln Arg Val Ile Pro Ile Arg Arg Ala Pro Leu Arg Ser Lys			
35	40	45	
Ile Glu Ile Val Arg Arg Ile Leu Gly Val Gln Lys Phe Asp Leu Gly			
50	55	60	
Ile Ile Cys Val Asp Asn Lys Asn Ile Gln His Ile Asn Arg Ile Tyr			
65	70	75	80
Arg Asp Arg Asn Val Pro Thr Asp Val Leu Ser Phe Pro Phe His Glu			
85	90	95	
His Leu Lys Ala Gly Glu Phe Pro Gln Pro Asp Phe Pro Asp Asp Tyr			
100	105	110	
Asn Leu Gly Asp Ile Phe Leu Gly Val Glu Tyr Ile Phe His Gln Cys			
115	120	125	
Lys Glu Asn Glu Asp Tyr Asn Asp Val Leu Thr Val Thr Ala Thr His			
130	135	140	
Gly Leu Cys His Leu Leu Gly Phe Thr His Gly Thr Glu Ala Glu Trp			
145	150	155	160
Gln Gln Met Phe Gln Lys Glu Lys Ala Val Leu Asp Glu Leu Gly Arg			
165	170	175	
Arg Thr Gly Thr Arg Leu Gln Pro Leu Thr Pro Gly Pro Leu Pro Glu			
180	185	190	
Gly Ala Glu Gly Arg Val Pro Phe			
195	200		

<210> 1339
 <211> 267
 <212>Amino acid
 <213> Homo sapiens

<400> 1339			
Leu Arg Asn Ala Leu Asp Val Leu His Arg Glu Val Pro Arg Val Leu			
1	5	10	15
Val Asn Leu Val Asp Phe Leu Asn Pro Thr Ile Met Arg Gln Val Phe			
20	25	30	
Leu Gly Asn Pro Asp Lys Cys Pro Val Gln Gln Ala Met Leu Glu Pro			
35	40	45	
Leu Gly Ser Lys Thr Glu Thr Leu Asp Leu Arg Ala Glu Met Pro Ile			
50	55	60	
Thr Cys Pro Thr Gln Asn Glu Pro Phe Leu Arg Thr Pro Arg Asn Ser			
65	70	75	80
Asn Tyr Thr Tyr Pro Ile Lys Pro Ala Ile Glu Asn Trp Gly Ser Asp			
85	90	95	
Phe Leu Cys Thr Glu Trp Lys Ala Ser Asn Ser Val Pro Thr Ser Val			
100	105	110	
His Gln Leu Arg Pro Ala Asp Ile Lys Val Val Ala Ala Leu Gly Asp			
115	120	125	
Ser Leu Thr Thr Ala Val Gly Ala Arg Pro Asn Asn Ser Ser Asp Leu			
130	135	140	
Pro Thr Ser Trp Arg Gly Leu Ser Trp Ser Ile Gly Gly Asp Gly Asn			
145	150	155	160
Leu Glu Thr His Thr Leu Pro Asn Ile Leu Lys Lys Phe Asn Pro			
165	170	175	
Tyr Leu Leu Gly Phe Ser Thr Ser Thr Trp Glu Gly Thr Ala Gly Leu			
180	185	190	
Asn Val Ala Ala Glu Gly Ala Arg Ala Arg Asp Met Pro Ala Gln Ala			
195	200	205	
Trp Asp Leu Val Glu Arg Met Lys Asn Ser Pro Asp Ile Asn Leu Glu			

210	215	220
Lys Asp Trp Lys Leu Val Thr Leu Phe Ile Gly	Gly Asn Asp Leu Cys	
225	230	235
His Tyr Cys Glu Asn Pro Glu Ala His	Leu Ala Thr Glu Tyr Val Gln	240
245	250	255
His Ile Gln Gln Ala Leu Asp Ile Leu Ser Glu		
260	265	267

<210> 1340

<211> 286

<212>Amino acid

<213> Homo sapiens

<400> 1340			
Val Val Glu Phe Leu Trp Ser Arg Arg Pro Ser Gly Ser Ser Asp Pro			
1	5	10	15
Arg Pro Arg Arg Pro Ala Ser Lys Cys Gln Met Met Glu Glu Arg Ala			
20	25	30	
Asn Leu Met His Met Met Lys Leu Ser Ile Lys Val Leu Leu Gln Ser			
35	40	45	
Ala Leu Ser Leu Gly Arg Ser Leu Asp Ala Asp His Ala Pro Leu Gln			
50	55	60	
Gln Phe Phe Val Val Met Glu His Cys Leu Lys His Gly Leu Lys Val			
65	70	75	80
Lys Lys Ser Phe Ile Gly Gln Asn Lys Ser Phe Phe Gly Pro Leu Glu			
85	90	95	
Leu Val Glu Lys Leu Cys Pro Glu Ala Ser Asp Ile Ala Thr Ser Val			
100	105	110	
Arg Asn Leu Pro Glu Leu Lys Thr Ala Val Gly Arg Gly Arg Ala Trp			
115	120	125	
Leu Tyr Leu Ala Leu Met Gln Lys Lys Leu Ala Asp Tyr Leu Lys Val			
130	135	140	
Leu Ile Asp Asn Lys His Leu Leu Ser Glu Phe Tyr Glu Pro Glu Ala			
145	150	155	160
Leu Met Met Glu Glu Gly Met Val Ile Val Gly Leu Leu Val Gly			
165	170	175	
Leu Asn Val Leu Asp Ala Asn Leu Cys Leu Lys Gly Glu Asp Leu Asp			
180	185	190	
Ser Gln Val Gly Val Ile Asp Phe Ser Leu Tyr Leu Lys Asp Val Gln			
195	200	205	
Asp Leu Asp Gly Gly Lys Glu His Glu Arg Ile Thr Asp Val Leu Asp			
210	215	220	
Gln Lys Asn Tyr Val Glu Glu Leu Asn Arg His Leu Ser Cys Thr Val			
225	230	235	240
Gly Asp Leu Gln Thr Lys Ile Asp Gly Leu Glu Lys Thr Asn Ser Lys			
245	250	255	
Leu Gln Glu Arg Val Ser Ala Ala Thr Asp Arg Ile Cys Ser Leu Gln			
260	265	270	
Glu Glu Gln Gln Leu Arg Glu Gln Asn Glu Leu Ile Arg			
275	280	285	286

<210> 1341

<211> 233

<212>Amino acid

<213> Homo sapiens

<400> 1341

Lys Pro Glu Gly Ala Arg Arg Val Gln Phe Val Met Gly Leu Phe Gly
 1 5 10 15
 Lys Thr Gln Glu Lys Pro Pro Lys Glu Leu Val Asn Glu Trp Ser Leu
 20 25 30
 Lys Ile Arg Lys Glu Met Arg Val Val Asp Arg Gln Ile Arg Asp Ile
 35 40 45
 Gln Arg Glu Glu Glu Lys Val Lys Arg Ser Val Lys Asp Ala Ala Lys
 50 55 60
 Lys Gly Gln Lys Asp Val Cys Ile Val Leu Ala Lys Glu Met Ile Arg
 65 70 75 80
 Ser Arg Lys Ala Val Ser Lys Leu Tyr Ala Ser Lys Ala His Met Asn
 85 90 95
 Ser Val Leu Met Gly Met Lys Asn Gln Leu Ala Val Leu Arg Val Ala
 100 105 110
 Gly Ser Leu Gln Lys Ser Thr Glu Val Met Lys Ala Met Gln Ser Leu
 115 120 125
 Val Lys Ile Pro Glu Ile Gln Ala Thr Met Arg Glu Leu Ser Lys Glu
 130 135 140
 Met Met Lys Ala Gly Ile Ile Glu Glu Met Leu Glu Asp Thr Phe Glu
 145 150 155 160
 Ser Met Asp Asp Gln Glu Glu Met Glu Glu Ala Glu Met Glu Ile
 165 170 175
 Asp Arg Ile Leu Phe Glu Ile Thr Ala Gly Ala Leu Gly Lys Ala Pro
 180 185 190
 Ser Lys Val Thr Asp Ala Leu Pro Glu Pro Glu Pro Pro Gly Ala Met
 195 200 205
 Ala Ala Ser Glu Asp Glu Glu Glu Glu Glu Ala Leu Glu Ala Met
 210 215 220
 Gln Ser Arg Leu Ala Thr Leu Arg Ser
 225 230 233

<210> 1342

<211> 150

<212>Amino acid

<213> Homo sapiens

<400> 1342

Arg Trp Asn Ser Ile Met Glu Leu Ala Leu Leu Cys Gly Leu Val Val
 1 5 10 15
 Met Ala Gly Val Ile Pro Ile Gln Gly Gly Ile Leu Asn Leu Asn Lys
 20 25 30
 Met Val Lys Gln Val Thr Gly Lys Met Pro Ile Leu Ser Tyr Trp Pro
 35 40 45
 Tyr Gly Cys His Cys Gly Leu Gly Gly Arg Gly Gln Pro Lys Asp Ala
 50 55 60
 Thr Asp Trp Cys Cys Gln Thr His Asp Cys Cys Tyr Asp His Leu Lys
 65 70 75 80
 Thr Gln Gly Cys Gly Ile Tyr Lys Asp Tyr Tyr Arg Tyr Asn Phe Ser
 85 90 95
 Gln Gly Asn Ile His Cys Ser Asp Lys Gly Ser Trp Cys Glu Gln Gln
 100 105 110
 Leu Cys Ala Cys Asp Lys Glu Val Ala Phe Cys Leu Lys Arg Asn Leu
 115 120 125
 Asp Thr Tyr Gln Lys Arg Leu Arg Phe Tyr Trp Arg Pro His Cys Arg
 130 135 140
 Gly Gln Thr Pro Gly Cys

145

150

<210> 1343
<211> 127
<212>Amino acid
<213> Homo sapiens

<400> 1343
Lys Thr Val Ala Glu Glu Ala Ser Val Gly Asn Pro Glu Gly Ala Phe
1 5 10 15
Met Lys Met Leu Gln Ala Arg Lys Gln His Met Ser Thr Glu Leu Thr
20 25 30
Ile Glu Ser Glu Ala Pro Ser Asp Ser Ser Gly Ile Asn Leu Ser Gly
35 40 45
Phe Gly Ser Glu Gln Leu Asp Thr Asn Asp Glu Ser Asp Val Ser Ser
50 55 60
Ala Leu Ser Tyr Ile Leu Pro Tyr Leu Ser Leu Arg Asn Leu Gly Ala
65 70 75 80
Glu Ser Ile Leu Leu Pro Phe Thr Glu Gln Leu Phe Ser Asn Val Gln
85 90 95
Asp Gly Asp Arg Leu Leu Ser Ile Leu Lys Asn Asn Arg Lys Ser Pro
100 105 110
Ser Gln Ser Ser Leu Leu Gly Asn Lys Phe Lys Asn Lys Ile Phe
115 120 125 127

<210> 1344
<211> 126
<212>Amino acid
<213> Homo sapiens

<400> 1344
Leu Pro Leu Thr Leu Leu Ala Ala Pro Phe Ala His Leu Leu Leu
1 5 10 15
Pro Pro Gly His Asp Gln Ser Pro Cys Trp His Pro Gly Pro Ala Leu
20 25 30
Ser Pro Gly Thr Leu Gly Pro Leu Ser Trp Ala Met Ala Asn Ser Gly
35 40 45
Leu Gln Leu Leu Gly Tyr Phe Leu Ala Leu Gly Gly Trp Val Gly Ile
50 55 60
Ile Ala Ser Thr Ala Leu Pro Gln Trp Lys Gln Ser Ser Tyr Ala Gly
65 70 75 80
Asp Ala Ser Ile Gln Leu Arg Ser Lys Val Phe Val Leu Glu Ser Glu
85 90 95
Trp Gly Gly Asp Ser Leu Gly Leu Pro Arg Asp Cys Gly Trp Ser Cys
100 105 110
Leu Leu His Ser Ala Val Arg Ser Glu Lys Gly Phe Trp Ser
115 120 125 126

<210> 1345
<211> 328
<212>Amino acid
<213> Homo sapiens

<400> 1345

Asp Pro Arg Val Arg Pro Pro Leu Leu Gln Pro Pro Pro Pro Leu Leu
 1 5 10 15
 Pro Arg Leu Val Ile Leu Lys Met Ala Pro Leu Asp Leu Asp Lys Tyr
 20 25 30
 Val Glu Ile Ala Arg Leu Cys Lys Tyr Leu Pro Glu Asn Asp Leu Lys
 35 40 45
 Arg Leu Cys Asp Tyr Val Cys Asp Leu Leu Glu Glu Ser Asn Val
 50 55 60
 Gln Pro Val Ser Thr Pro Val Thr Val Cys Gly Asp Ile His Gly Gln
 65 70 75 80
 Phe Tyr Asp Leu Cys Glu Leu Phe Arg Thr Gly Gly Gln Val Pro Asp
 85 90 95
 Thr Asn Tyr Ile Phe Met Gly Asp Phe Val Asp Arg Gly Tyr Tyr Ser
 100 105 110
 Leu Glu Thr Phe Thr Tyr Leu Leu Ala Leu Lys Ala Lys Trp Pro Asp
 115 120 125
 Arg Ile Thr Leu Leu Arg Gly Asn His Glu Ser Arg Gln Ile Thr Gln
 130 135 140
 Val Tyr Gly Phe Tyr Asp Glu Cys Gln Thr Lys Tyr Gly Asn Ala Asn
 145 150 155 160
 Ala Trp Arg Tyr Cys Thr Lys Val Phe Asp Met Leu Thr Val Ala Ala
 165 170 175
 Leu Ile Asp Glu Gln Ile Leu Cys Val His Gly Gly Leu Ser Pro Asp
 180 185 190
 Ile Lys Thr Leu Asp Gln Ile Arg Thr Ile Glu Arg Asn Gln Glu Ile
 195 200 205
 Pro His Lys Gly Ala Phe Cys Asp Leu Val Trp Ser Asp Pro Glu Asp
 210 215 220
 Val Asp Thr Trp Ala Ile Ser Pro Arg Gly Ala Gly Trp Leu Phe Gly
 225 230 235 240
 Ala Lys Val Thr Asn Glu Phe Val His Ile Asn Asn Leu Lys Leu Ile
 245 250 255
 Cys Arg Ala His Gln Leu Val His Glu Gly Tyr Lys Phe Met Phe Asp
 260 265 270
 Glu Lys Leu Val Thr Val Trp Ser Ala Pro Asn Tyr Cys Tyr Arg Cys
 275 280 285
 Gly Asn Ile Ala Ser Ile Met Val Phe Lys Asp Val Asn Thr Arg Glu
 290 295 300
 Pro Lys Leu Phe Arg Ala Val Pro Asp Ser Glu Arg Val Ile Pro Pro
 305 310 315 320
 Arg Thr Thr Thr Pro Tyr Phe Leu
 325 328

<210> 1346

<211> 253

<212>Amino acid

<213> Homo sapiens

<400> 1346

Ser Phe Ala Gly Ala Ala Ala Arg Pro Ser Thr Pro Pro Ala Ser Gly
 1 5 10 15
 Arg Gly Ala Ala Pro Gly Arg Pro Gly Pro Ser Pro Met Asp Leu Arg
 20 25 30
 Ala Gly Asp Ser Trp Gly Met Leu Ala Cys Leu Cys Thr Val Leu Trp

35	40	45
His Leu Pro Ala Val Pro Ala Leu Asn Arg Thr Gly Asp Pro Gly Pro		
50	55	60
Gly Pro Ser Ile Gln Lys Thr Tyr Asp Leu Thr Arg Tyr Leu Glu His		
65	70	75
Gln Leu Arg Ser Leu Ala Gly Thr Tyr Leu Asn Tyr Leu Gly Pro Pro		
85	90	95
Phe Asn Glu Pro Asp Phe Asn Pro Pro Arg Leu Gly Ala Glu Thr Leu		
100	105	110
Pro Arg Ala Thr Val Asp Leu Glu Val Trp Arg Ser Leu Asn Asp Lys		
115	120	125
Leu Arg Leu Thr Gln Asn Tyr Glu Ala Tyr Ser His Leu Leu Cys Tyr		
130	135	140
Leu Arg Gly Leu Asn Arg Gln Ala Ala Thr Ala Glu Leu Arg Arg Ser		
145	150	155
Leu Ala His Phe Cys Thr Ser Leu Gln Gly Leu Leu Gly Ser Ile Ala		
165	170	175
Gly Val Met Ala Ala Leu Gly Tyr Pro Leu Pro Gln Pro Leu Pro Gly		
180	185	190
Thr Glu Pro Thr Trp Thr Pro Gly Pro Ala His Ser Asp Phe Leu Gln		
195	200	205
Lys Met Asp Asp Phe Trp Leu Leu Lys Glu Leu Gln Thr Trp Leu Trp		
210	215	220
Arg Ser Ala Lys Asp Phe Asn Arg Leu Lys Lys Lys Met Gln Pro Pro		
225	230	235
Ala Ala Ala Val Thr Leu His Leu Gly Ala His Gly Phe		
245	250	253

<210> 1347
 <211> 195
 <212>Amino acid
 <213> Homo sapiens

<400> 1347		
Ille Lys Ille Ser Leu Lys Lys Arg Ser Met Ser Gly Ille Ser Gly Cys		
1	5	10
Pro Phe Phe Leu Trp Gly Leu Leu Ala Leu Leu Gly Leu Ala Leu Val		
20	25	30
Ille Ser Leu Ille Phe Asn Ille Ser His Tyr Val Glu Lys Gln Arg Gln		
35	40	45
Asp Lys Met Tyr Ser Tyr Ser Asp His Thr Arg Val Asp Glu Tyr		
50	55	60
Tyr Ille Glu Asp Thr Pro Ille Tyr Gly Asn Leu Asp Asp Met Ille Ser		
65	70	75
Glu Pro Met Asp Glu Asn Cys Tyr Glu Gln Met Lys Ala Arg Pro Glu		
85	90	95
Lys Ser Val Asn Lys Met Gln Glu Ala Thr Pro Ser Ala Gln Ala Thr		
100	105	110
Asn Glu Thr Gln Met Cys Tyr Ala Ser Leu Asp His Ser Val Lys Gly		
115	120	125
Lys Arg Arg Lys Pro Arg Lys Gln Asn Thr His Phe Ser Asp Lys Asp		
130	135	140
Gly Asp Glu Gln Leu His Ala Ille Asp Ala Ser Val Ser Lys Thr Thr		
145	150	155
Leu Val Asp Ser Phe Ser Pro Glu Ser Gln Ala Val Glu Glu Asn Ille		
165	170	175
His Asp Asp Pro Ille Arg Leu Phe Gly Leu Ille Arg Ala Lys Arg Glu		
180	185	190
Pro Ille Asn		

195

<210> 1348
<211> 268
<212>Amino acid
<213> Homo sapiens

<400> 1348

Val	Glu	Phe	His	Pro	Gln	Arg	Ala	Arg	Ala	Gly	Ala	Arg	Ala	Pro	Ser
1					5				10					15	
Met	Gly	Val	Leu	Leu	Thr	Gln	Arg	Thr	Leu	Leu	Ser	Leu	Val	Leu	Ala
					20				25					30	
Leu	Leu	Phe	Pro	Ser	Met	Ala	Ser	Met	Ala	Ala	Ile	Gly	Ser	Cys	Ser
					35				40					45	
Lys	Glu	Tyr	Arg	Val	Leu	Leu	Gly	Gln	Leu	Gln	Lys	Gln	Thr	Asp	Leu
					50				55					60	
Met	Gln	Asp	Thr	Ser	Arg	Leu	Leu	Asp	Pro	Tyr	Ile	Arg	Ile	Gln	Gly
					65				70					75	
Leu	Asp	Val	Pro	Lys	Leu	Arg	Glu	His	Cys	Arg	Glu	Arg	Pro	Gly	Ala
					85				90					95	
Phe	Pro	Ser	Glu	Glu	Thr	Leu	Arg	Gly	Leu	Gly	Arg	Cys	Phe	Leu	
					100				105					110	
Gln	Thr	Leu	Asn	Ala	Thr	Leu	Gly	Cys	Val	Leu	His	Arg	Leu	Ala	Asp
					115				120					125	
Leu	Glu	Gln	Arg	Leu	Pro	Lys	Ala	Gln	Asp	Leu	Glu	Arg	Ser	Gly	Leu
					130				135					140	
Asn	Ile	Glu	Asp	Leu	Glu	Lys	Leu	Gln	Met	Ala	Arg	Pro	Asn	Ile	Leu
					145				150					155	
Gly	Leu	Arg	Asn	Asn	Ile	Tyr	Cys	Met	Ala	Gln	Leu	Leu	Asp	Asn	Ser
					165				170					175	
Asp	Thr	Ala	Glu	Pro	Thr	Lys	Ala	Gly	Arg	Gly	Ala	Ser	Gln	Pro	Pro
					180				185					190	
Thr	Pro	Thr	Pro	Ala	Ser	Asp	Ala	Phe	Gln	Arg	Lys	Leu	Glu	Gly	Cys
					195				200					205	
Arg	Phe	Leu	His	Gly	Tyr	His	Arg	Phe	Met	His	Ser	Val	Gly	Arg	Val
					210				215					220	
Phe	Ser	Lys	Trp	Gly	Glu	Ser	Pro	Asn	Arg	Ser	Arg	Arg	His	Ser	Pro
					225				230					235	
His	Gln	Ala	Leu	Arg	Lys	Gly	Val	Arg	Arg	Thr	Arg	Pro	Ser	Arg	Lys
					245				250					255	
Gly	Lys	Arg	Leu	Met	Thr	Arg	Gly	Gln	Leu	Pro	Arg				
					260				265					268	

<210> 1349
<211> 138
<212>Amino acid
<213> Homo sapiens

<400> 1349

Asp	Phe	Pro	Gly	Arg	Arg	Phe	Arg	Leu	Val	Trp	Leu	Leu	Val	Leu	Arg
1					5				10					15	
Leu	Pro	Trp	Arg	Val	Pro	Gly	Gln	Leu	Asp	Pro	Thr	Thr	Gly	Arg	Arg
					20				25					30	
Phe	Ser	Glu	His	Lys	Leu	Cys	Ala	Asp	Asp	Glu	Cys	Ser	Met	Leu	Met

35	40	45
Tyr Arg Gly Glu Ala Leu Glu Asp Phe Thr Gly Pro Asp Cys Arg Phe		
50	55	60
Val Asn Phe Lys Lys Gly Asp Pro Val Tyr Val Tyr Tyr Lys Leu Ala		
65	70	75
Arg Gly Trp Pro Glu Val Trp Ala Gly Ser Val Gly Arg Thr Phe Gly		80
85	90	95
Tyr Phe Pro Lys Asp Leu Ile Gln Val Val His Glu Tyr Thr Lys Glu		
100	105	110
Glu Leu Gln Val Pro Thr Asn Glu Thr Asp Phe Val Cys Phe Asp Gly		
115	120	125
Gly Arg Asp Asp Phe His Asn Tyr Asn Val		
130	135	138

<210> 1350
 <211> 236
 <212>Amino acid
 <213> Homo sapiens

<400> 1350		
Ser Pro Leu Gly Lys Glu Gly Gln Glu Glu Val Arg Val Lys Ile Lys		
1	5	10
Asp Leu Asn Glu His Ile Val Cys Cys Leu Cys Ala Gly Tyr Phe Val		15
20	25	30
Asp Ala Thr Thr Ile Thr Glu Cys Leu His Thr Phe Cys Lys Ser Cys		
35	40	45
Ile Val Lys Tyr Leu Gln Thr Ser Lys Tyr Cys Pro Met Cys Asn Ile		
50	55	60
Lys Ile His Glu Thr Gln Pro Leu Leu Asn Leu Lys Leu Asp Arg Val		
65	70	75
Met Gln Asp Ile Val Tyr Lys Leu Val Pro Gly Leu Gln Asp Ser Glu		80
85	90	95
Glu Lys Arg Ile Arg Glu Phe Tyr Gln Ser Arg Gly Leu Asp Arg Val		
100	105	110
Thr Gln Pro Thr Gly Glu Glu Pro Ala Leu Ser Asn Leu Gly Leu Pro		
115	120	125
Phe Ser Ser Phe Asp His Ser Lys Ala His Tyr Tyr Arg Tyr Asp Glu		
130	135	140
Gln Leu Asn Leu Cys Leu Glu Arg Leu Ser Ser Gly Lys Asp Lys Asn		
145	150	155
Lys Ser Val Leu Gln Asn Lys Tyr Val Arg Cys Ser Val Arg Ala Glu		160
165	170	175
Val Arg His Leu Arg Arg Val Leu Cys His Arg Leu Met Leu Asn Pro		
180	185	190
Gln His Val Gln Leu Leu Phe Asp Asn Glu Val Leu Pro Asp His Met		
195	200	205
Thr Met Lys Gln Ile Trp Leu Ser Arg Trp Phe Gly Lys Pro Ser Pro		
210	215	220
Leu Leu Leu Gln Tyr Ser Val Lys Glu Lys Arg Arg		
225	230	235 236

<210> 1351
 <211> 178
 <212>Amino acid
 <213> Homo sapiens

<400> 1351

Leu	Trp	Trp	Tyr	Ser	Ala	His	Ala	Ala	Val	Asp	Ala	Met	Met	Asp	Val
1					5				10			15			
Phe	Gly	Val	Gly	Phe	Pro	Ser	Lys	Val	Pro	Trp	Lys	Lys	Met	Ser	Ala
					20				25			30			
Glu	Glu	Leu	Glu	Asn	Gln	Tyr	Cys	Pro	Ser	Arg	Trp	Val	Val	Arg	Leu
					35				40			45			
Gly	Ala	Glu	Glu	Ala	Leu	Arg	Thr	Tyr	Ser	Gln	Ile	Gly	Ile	Glu	Ala
					50				55			60			
Thr	Thr	Arg	Ala	Arg	Ala	Thr	Arg	Lys	Ser	Leu	Leu	His	Val	Pro	Tyr
					65				70			75			80
Gly	Asp	Gly	Glu	Gly	Glu	Lys	Val	Asp	Ile	Tyr	Phe	Pro	Asp	Glu	Ser
					85				90			95			
Ser	Glu	Ala	Thr	Thr	Arg	Ala	Arg	Ala	Thr	Arg	Lys	Ser	Leu	Leu	His
					100				105			110			
Val	Pro	Tyr	Gly	Asp	Gly	Glu	Gly	Glu	Lys	Val	Asp	Ile	Tyr	Phe	Pro
					115				120			125			
Asp	Glu	Ser	Ser	Glu	Ala	Leu	Pro	Phe	Phe	Leu	Phe	Phe	His	Gly	Gly
					130				135			140			
Tyr	Trp	Gln	Ser	Gly	Arg	His	Pro	Gly	Pro	His	Gly	Arg	Pro	Gly	Asp
					145				150			155			160
Pro	Gln	Arg	Cys	Val	Cys	Pro	Glu	Ala	Val	Ser	Lys	Gln	Gln	Ala	Phe
					165				170			175			
Ser	Trp														
		178													

<210> 1352
<211> 284
<212>Amino acid
<213> Homo sapiens

<400> 1352

Gly	Val	Arg	Met	Ala	Ser	Arg	Gly	Arg	Arg	Pro	Glu	His	Gly	Gly	Pro
1					5				10			15			
Pro	Glu	Leu	Phe	Tyr	Asp	Glu	Thr	Glu	Ala	Arg	Lys	Tyr	Val	Arg	Asn
					20				25			30			
Ser	Arg	Met	Ile	Asp	Ile	Gln	Thr	Arg	Met	Ala	Gly	Arg	Ala	Leu	Glu
					35				40			45			
Leu	Leu	Tyr	Leu	Pro	Glu	Asn	Lys	Pro	Cys	Tyr	Leu	Leu	Asp	Ile	Gly
					50				55			60			
Cys	Gly	Thr	Gly	Leu	Ser	Gly	Ser	Tyr	Leu	Ser	Asp	Glu	Gly	His	Tyr
					65				70			75			80
Trp	Val	Gly	Leu	Asp	Ile	Ser	Pro	Ala	Met	Leu	Asp	Glu	Ala	Val	Asp
					85				90			95			
Arg	Glu	Ile	Glu	Gly	Asp	Leu	Leu	Gly	Asp	Met	Gly	Gln	Gly	Ile	
					100				105			110			
Pro	Phe	Lys	Pro	Gly	Thr	Phe	Asp	Gly	Cys	Ile	Ser	Ile	Ser	Ala	Val
					115				120			125			
Gln	Trp	Leu	Cys	Asn	Ala	Asn	Lys	Lys	Ser	Glu	Asn	Pro	Ala	Lys	Arg
					130				135			140			
Leu	Tyr	Cys	Phe	Phe	Ala	Ser	Leu	Phe	Ser	Val	Leu	Val	Arg	Gly	Ser
					145				150			155			160
Arg	Ala	Val	Leu	Gln	Leu	Tyr	Pro	Glu	Asn	Ser	Glu	Gln	Leu	Glu	Leu
					165				170			175			
Ile	Thr	Thr	Gln	Ala	Thr	Lys	Ala	Gly	Phe	Ser	Gly	Gly	Met	Val	Val
					180				185			190			
Asp	Tyr	Pro	Asn	Ser	Ala	Lys	Ala	Lys	Phe	Tyr	Leu	Cys	Leu	Phe	

195	200	205
Ser Gly Pro Ser Thr Phe Ile Pro Glu Gly Leu Ser Glu Asn Gln Asp		
210	215	220
Glu Val Glu Pro Arg Glu Ser Val Phe Thr Asn Glu Arg Phe Pro Leu		
225	230	235
Arg Met Ser Arg Arg Gly Met Val Arg Lys Ser Arg Ala Trp Val Leu		
245	250	255
Glu Lys Lys Glu Arg His Arg Arg Gln Gly Arg Glu Val Arg Pro Asp		
260	265	270
Thr Gln Tyr Thr Gly Arg Lys Arg Lys Pro Arg Phe		
275	280	284

<210> 1353
 <211> 363
 <212>Amino acid
 <213> Homo sapiens

<400> 1353		
Thr Leu Ile Cys Arg Met Ala Gly Cys Gly Glu Ile Asp His Ser Ile		
1	5	10
Asn Met Leu Pro Thr Asn Arg Lys Ala Asn Glu Ser Cys Ser Asn Thr		
20	25	30
Ala Pro Ser Leu Thr Val Pro Glu Cys Ala Ile Cys Leu Gln Thr Cys		
35	40	45
Val His Pro Val Ser Leu Pro Cys Lys His Val Phe Cys Tyr Leu Cys		
50	55	60
Val Lys Gly Ala Ser Trp Leu Gly Lys Arg Cys Ala Leu Cys Arg Gln		
65	70	75
Glu Ile Pro Glu Asp Phe Leu Asp Lys Pro Thr Leu Leu Ser Pro Glu		
85	90	95
Glu Leu Lys Ala Ala Ser Arg Gly Asn Gly Glu Tyr Ala Trp Tyr Tyr		
100	105	110
Glu Gly Arg Asn Gly Trp Trp Gln Tyr Asp Glu Arg Thr Ser Arg Glu		
115	120	125
Leu Glu Asp Ala Phe Ser Lys Gly Lys Lys Asn Thr Glu Met Leu Ile		
130	135	140
Ala Gly Phe Leu Tyr Val Ala Asp Leu Glu Asn Met Val Gln Tyr Arg		
145	150	155
Arg Asn Glu His Gly Arg Arg Lys Ile Lys Arg Asp Ile Ile Asp		
165	170	175
Ile Pro Lys Gly Val Ala Gly Leu Arg Leu Asp Cys Asp Ala Asn		
180	185	190
Thr Val Asn Leu Ala Arg Glu Ser Ser Ala Asp Gly Ala Asp Ser Val		
195	200	205
Ser Ala Gln Ser Gly Ala Ser Val Gln Pro Leu Val Ser Ser Val Arg		
210	215	220
Pro Leu Thr Ser Val Asp Gly Gln Leu Thr Ser Pro Ala Thr Pro Ser		
225	230	235
Pro Asp Ala Ser Thr Ser Leu Glu Asp Ser Phe Ala His Leu Gln Leu		
245	250	255
Ser Gly Asp Asn Thr Ala Glu Arg Ser His Arg Gly Glu Gly Glu Glu		
260	265	270
Asp His Glu Ser Pro Ser Ser Gly Arg Val Pro Ala Pro Asp Thr Ser		
275	280	285
Ile Glu Glu Thr Glu Ser Asp Ala Ser Ser Asp Ser Glu Asp Val Ser		
290	295	300
Ala Val Val Ala Gln His Ser Leu Thr Gln Gln Arg Leu Leu Val Ser		
305	310	315
Asn Ala Asn Gln Thr Val Pro Asp Arg Ser Asp Arg Ser Gly Thr Asp		

325	330	335
Arg Ser Val Ala Gly Gly Gly Thr Val	Ser Val Ser Val Arg	Ser Arg
340	345	350
Arg Pro Asp Gly Gln Cys Thr Val	Thr Glu Val	
355	360	363

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<210> 1354  
<211> 368  
<212>Amino acid  
<213> Homo sapiens
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<400> 1354
 Gly Ala Thr Pro Leu Gly Ser Val Gly Gly Arg Thr Gly Lys Met Asp
 1 5 10 15
 Ala Ala Thr Leu Thr Tyr Asp Thr Leu Arg Phe Ala Glu Phe Glu Asp
 20 25 30
 Phe Pro Glu Thr Ser Glu Pro Val Trp Ile Leu Gly Arg Lys Tyr Ser
 35 40 45
 Ile Phe Thr Glu Lys Asp Glu Ile Leu Ser Asp Val Ala Ser Arg Leu
 50 55 60
 Trp Phe Thr Tyr Arg Lys Asn Phe Pro Ala Ile Gly Gly Thr Gly Pro
 65 70 75 80
 Thr Ser Asp Thr Gly Trp Gly Cys Met Leu Arg Cys Gly Gln Met Ile
 85 90 95
 Phe Ala Gln Ala Leu Val Cys Arg His Leu Gly Arg Asp Trp Arg Trp
 100 105 110
 Thr Gln Arg Lys Arg Gln Pro Asp Ser Tyr Phe Ser Val Leu Asn Ala
 115 120 125
 Phe Ile Asp Arg Lys Asp Ser Tyr Tyr Ser Ile His Gln Ile Ala Gln
 130 135 140
 Met Gly Val Gly Glu Gly Lys Ser Ile Gly Gln Trp Tyr Gly Pro Asn
 145 150 155 160
 Thr Val Ala Gln Val Leu Lys Lys Leu Ala Val Phe Asp Thr Trp Ser
 165 170 175
 Ser Leu Ala Val His Ile Ala Met Asp Asn Thr Val Val Met Glu Glu
 180 185 190
 Ile Arg Arg Leu Cys Arg Thr Ser Val Pro Cys Ala Gly Ala Thr Ala
 195 200 205
 Phe Pro Ala Asp Ser Asp Arg His Cys Asn Gly Phe Pro Ala Gly Ala
 210 215 220
 Glu Val Thr Asn Arg Pro Ser Pro Trp Arg Pro Leu Val Leu Ile
 225 230 235 240
 Pro Leu Arg Leu Gly Leu Thr Asp Ile Asn Glu Ala Tyr Val Glu Thr
 245 250 255
 Leu Lys His Cys Phe Met Met Pro Gln Ser Leu Gly Val Ile Gly Gly
 260 265 270
 Lys Pro Asn Ser Ala His Tyr Phe Ile Gly Tyr Val Gly Glu Glu Leu
 275 280 285
 Ile Tyr Leu Asp Pro His Thr Thr Gln Pro Ala Val Glu Pro Thr Asp
 290 295 300
 Gly Cys Phe Ile Pro Asp Glu Ser Phe His Cys Gln His Pro Pro Cys
 305 310 315 320
 Arg Met Ser Ile Ala Glu Leu Asp Pro Ser Ile Ala Val Val Arg Gly
 325 330 335
 Gly His Leu Ser Thr Gln Ala Phe Gly Ala Glu Cys Cys Leu Gly Met
 340 345 350
 Thr Arg Lys Thr Phe Gly Phe Leu Arg Phe Phe Phe Ser Met Leu Gly
 355 360 365 368

<210> 1355
<211> 117
<212>Amino acid
<213> Homo sapiens

<400> 1355
Pro Thr Thr Ser Asn Arg Ala Ile Thr Leu Thr Ala Trp Pro Lys Ile
1 5 10 15
Pro Phe Leu Gly Ile Cys Glu Ala Lys Asn Pro Arg Ser Glu Asn Met
20 25 30
Arg Leu Ala Thr Ile Leu Glu Val Ala Cys His His Leu Gly Ser Gly
35 40 45
Pro Pro Pro Ser Trp Glu Leu Trp Glu Gln Gly Pro Pro Gly Asn Ser
50 55 60
Ser Arg Tyr Ile Glu Phe Leu Asn Lys His Thr Tyr Ile Lys Gly Thr
65 70 75 80
Leu Arg Val Tyr Thr Lys Lys Phe Cys Met Leu Val Ile Lys Ser Phe
85 90 95
Glu Ser Lys Ser Cys Val Cys Val Tyr Asp Phe Asp Ser Lys Ser Ser
100 105 110
Val Asn Val Thr Val
115 117

<210> 1356
<211> 126
<212>Amino acid
<213> Homo sapiens

<400> 1356
Pro Arg Val Arg Phe Arg Leu Leu His Val Thr Ser Ile Arg Ser Ala
1 5 10 15
Trp Ile Leu Cys Gly Ile Ile Trp Ile Leu Ile Met Ala Ser Ser Ile
20 25 30
Met Leu Leu Asp Ser Gly Ser Glu Gln Asn Gly Ser Val Thr Ser Cys
35 40 45
Leu Glu Leu Asn Leu Tyr Lys Ile Ala Lys Leu Gln Thr Val Asn Tyr
50 55 60
Ile Ala Leu Val Val Gly Cys Leu Leu Pro Phe Phe Thr Leu Ser Ile
65 70 75 80
Cys Tyr Leu Leu Ile Ile Arg Val Leu Leu Lys Val Glu Val Pro Glu
85 90 95
Ser Gly Leu Arg Val Ser His Arg Lys Ala Leu Thr Thr Ile Ile Ile
100 105 110
Thr Leu Ile Ile Phe Phe Leu Cys Phe Leu Pro Tyr His Thr
115 120 125 126

<210> 1357
<211> 222
<212>Amino acid
<213> Homo sapiens

<400> 1357

Gly Arg His Trp Leu Gly Ser Ala Gln Leu Thr Asp Gly Gly Ser Ala
 1 5 10 15
 Arg Lys Pro Lys Met Ala Val Pro Ala Ala Leu Ile Leu Arg Glu Ser
 20 25 30
 Pro Ser Met Lys Lys Ala Val Ser Leu Ile Asn Ala Ile Asp Thr Gly
 35 40 45
 Arg Phe Pro Arg Leu Leu Thr Arg Ile Leu Gln Lys Leu His Leu Lys
 50 55 60
 Ala Glu Ser Ser Phe Ser Glu Glu Glu Glu Lys Leu Gln Ala Ala
 65 70 75 80
 Phe Ser Leu Glu Lys Gln Asp Leu His Leu Val Leu Glu Thr Ile Ser
 85 90 95
 Phe Ile Leu Glu Gln Ala Val Tyr His Asn Val Lys Pro Ala Ala Leu
 100 105 110
 Gln Gln Gln Leu Glu Asn Ile His Leu Arg Gln Asp Lys Ala Glu Ala
 115 120 125
 Phe Val Asn Thr Trp Ser Ser Met Gly Gln Glu Thr Val Glu Lys Phe
 130 135 140
 Arg Gln Arg Ile Leu Ala Pro Cys Lys Leu Glu Thr Val Gly Trp Gln
 145 150 155 160
 Leu Asn Leu Gln Met Ala His Ser Ala Gln Ala Lys Leu Lys Ser Pro
 165 170 175
 Gln Ala Val Leu Gln Leu Gly Val Asn Asn Glu Asp Ser Lys Ser Leu
 180 185 190
 Glu Lys Val Leu Val Glu Phe Ser His Lys Glu Leu Phe Asp Phe Tyr
 195 200 205
 Asn Lys Leu Glu Thr Ile Gln Ala Gln Leu Asp Ser Leu Thr
 210 215 220 222

<210> 1358
<211> 116
<212>Amino acid
<213> Homo sapiens

<400> 1358

Glu Ala Ser Ser Ala Lys Thr Lys Arg Lys Glu Glu Lys Gly Pro Lys
 1 5 10 15
 Ala Lys Met Lys Leu Met Val Leu Val Phe Thr Ile Gly Leu Thr Leu
 20 25 30
 Leu Leu Gly Val Gln Ala Met Pro Ala Asn Arg Leu Ser Cys Tyr Arg
 35 40 45
 Lys Ile Leu Lys Asp His Asn Cys His Asn Leu Pro Glu Gly Val Ala
 50 55 60
 Asp Leu Thr Gln Ile Asp Val Asn Val Gln Asp His Phe Trp Asp Gly
 65 70 75 80
 Lys Gly Cys Glu Met Ile Cys Tyr Cys Asn Phe Ser Glu Leu Leu Cys
 85 90 95
 Cys Pro Lys Asp Val Phe Phe Gly Pro Lys Ile Ser Phe Val Ile Pro
 100 105 110
 Cys Asn Asn Gln
 115 116

<210> 1359

<211> 466
 <212>Amino acid
 <213> Homo sapiens

<400> 1359

Lys	Met	Ala	Glu	Ala	Val	Phe	His	Ala	Pro	Lys	Arg	Lys	Arg	Arg	Val
1					5				10					15	
Tyr	Glu	Thr	Tyr	Glu	Ser	Pro	Leu	Pro	Ile	Pro	Phe	Gly	Gln	Asp	His
						20			25					30	
Gly	Pro	Leu	Lys	Glu	Phe	Lys	Ile	Phe	Arg	Ala	Glu	Met	Ile	Asn	Asn
						35			40				45		
Asn	Val	Ile	Val	Arg	Asn	Ala	Glu	Asp	Ile	Glu	Gln	Leu	Tyr	Gly	Lys
						50			55			60			
Gly	Tyr	Phe	Gly	Lys	Gly	Ile	Leu	Ser	Arg	Ser	Arg	Pro	Ser	Phe	Thr
						65			70			75			80
Ile	Ser	Asp	Pro	Lys	Leu	Val	Ala	Lys	Trp	Lys	Asp	Met	Lys	Thr	Asn
						85			90				95		
Met	Pro	Ile	Ile	Thr	Ser	Lys	Arg	Tyr	Gln	His	Ser	Val	Glu	Trp	Ala
						100			105				110		
Ala	Glu	Leu	Met	Arg	Arg	Gln	Gly	Gln	Asp	Glu	Ser	Thr	Val	Arg	Arg
						115			120				125		
Ile	Leu	Lys	Asp	Tyr	Thr	Lys	Pro	Leu	Glu	His	Pro	Pro	Val	Lys	Arg
						130			135			140			
Asn	Glu	Glu	Ala	Gln	Val	His	Asp	Lys	Leu	Asn	Ser	Gly	Met	Val	Ser
						145			150			155			160
Asn	Met	Glu	Gly	Thr	Ala	Gly	Gly	Glu	Arg	Pro	Ser	Val	Val	Asn	Gly
						165			170				175		
Asp	Ser	Gly	Lys	Ser	Gly	Gly	Val	Gly	Asp	Pro	Arg	Glu	Pro	Leu	Gly
						180			185				190		
Cys	Leu	Gln	Glu	Gly	Ser	Gly	Cys	His	Pro	Thr	Thr	Glu	Ser	Phe	Glu
						195			200			205			
Lys	Ser	Val	Arg	Glu	Asp	Ala	Ser	Pro	Leu	Pro	His	Val	Cys	Cys	Cys
						210			215			220			
Lys	Gln	Asp	Ala	Leu	Ile	Leu	Gln	Arg	Gly	Leu	His	His	Glu	Asp	Gly
						225			230			235			240
Ser	Gln	His	Ile	Gly	Leu	Leu	His	Pro	Gly	Asp	Arg	Gly	Pro	Asp	His
						245			250			255			
Glu	Tyr	Val	Leu	Val	Glu	Glu	Ala	Glu	Cys	Ala	Met	Ser	Glu	Arg	Glu
						260			265			270			
Ala	Ala	Pro	Asn	Glu	Glu	Leu	Val	Gln	Arg	Asn	Arg	Leu	Ile	Cys	Arg
						275			280			285			
Arg	Asn	Pro	Tyr	Arg	Ile	Phe	Glu	Tyr	Leu	Gln	Leu	Ser	Leu	Glu	Glu
						290			295			300			
Ala	Phe	Phe	Leu	Val	Tyr	Ala	Leu	Gly	Cys	Leu	Ser	Ile	Tyr	Tyr	Glu
						305			310			315			320
Lys	Glu	Pro	Leu	Thr	Ile	Val	Lys	Leu	Trp	Lys	Ala	Phe	Thr	Val	Val
						325			330			335			
Gln	Pro	Thr	Phe	Arg	Thr	Thr	Tyr	Met	Ala	Tyr	His	Tyr	Phe	Arg	Ser
						340			345			350			
Lys	Gly	Trp	Val	Pro	Lys	Val	Gly	Leu	Lys	Tyr	Gly	Thr	Asp	Leu	Leu
						355			360			365			
Leu	Tyr	Arg	Lys	Gly	Pro	Pro	Phe	Tyr	His	Ala	Ser	Tyr	Ser	Val	Ile
						370			375			380			
Ile	Glu	Leu	Val	Asp	Asp	His	Phe	Glu	Gly	Ser	Leu	Arg	Arg	Pro	Leu
						385			390			395			400
Ser	Trp	Lys	Ser	Leu	Ala	Ala	Leu	Ser	Arg	Val	Ser	Val	Asn	Val	Ser
						405			410			415			
Lys	Glu	Leu	Met	Leu	Cys	Tyr	Leu	Ile	Lys	Pro	Ser	Thr	Met	Thr	Asp
						420			425			430			
Lys	Glu	Met	Glu	Ser	Pro	Glu	Cys	Met	Lys	Arg	Ile	Lys	Val	Gln	Glu

435	440	445
Val Ile Leu Ser Arg Trp Val	Ser Ser Arg Glu	Arg Ser Asp Gln Asp
450	455	460
Asp Leu		
465	466	

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<210> 1360  
<211> 419  
<212>Amino acid  
<213> Homo sapiens
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<400> 1360
 Arg Asp Ile Trp Thr Met Asn Leu Gln Arg Tyr Trp Gly Glu Ile Pro
 1 5 10 15
 Ile Ser Ser Ser Gln Thr Asn Arg Ser Ser Phe Asp Leu Leu Pro Arg
 20 25 30
 Glu Phe Arg Leu Val Glu Val His Asp Pro Pro Leu His Gln Pro Ser
 35 40 45
 Ala Asn Lys Pro Lys Pro Pro Thr Met Leu Asp Ile Pro Ser Glu Pro
 50 55 60
 Cys Ser Leu Thr Ile His Thr Ile Gln Leu Ile Gln His Asn Arg Arg
 65 70 75 80
 Leu Arg Asn Leu Ile Ala Thr Ala Gln Ala Gln Asn Gln Gln Gln Thr
 85 90 95
 Glu Gly Val Lys Thr Glu Glu Ser Glu Pro Leu Pro Ser Cys Pro Gly
 100 105 110
 Ser Pro Pro Leu Pro Asp Asp Leu Leu Pro Leu Asp Cys Lys Asn Pro
 115 120 125
 Asn Ala Pro Phe Gln Ile Arg His Ser Asp Pro Glu Ser Asp Phe Tyr
 130 135 140
 Arg Gly Lys Gly Glu Pro Val Thr Glu Leu Ser Trp His Ser Cys Arg
 145 150 155 160
 Gln Leu Leu Tyr Gln Ala Val Ala Thr Ile Leu Ala His Ala Gly Phe
 165 170 175
 Asp Cys Ala Asn Glu Ser Val Leu Glu Thr Leu Thr Asp Val Ala His
 180 185 190
 Glu Tyr Cys Leu Lys Phe Thr Lys Leu Leu Arg Phe Ala Val Asp Arg
 195 200 205
 Glu Ala Arg Leu Gly Gln Thr Pro Phe Pro Asp Val Met Glu Gln Val
 210 215 220
 Phe His Glu Val Gly Ile Gly Ser Val Leu Ser Leu Gln Lys Phe Trp
 225 230 235 240
 Gln His Arg Ile Lys Asp Tyr His Ser Tyr Met Leu Gln Ile Ser Lys
 245 250 255
 Gln Leu Ser Glu Glu Tyr Glu Arg Ile Val Asn Pro Glu Lys Ala Thr
 260 265 270
 Glu Asp Ala Lys Pro Val Lys Ile Lys Glu Glu Pro Val Ser Asp Ile
 275 280 285
 Thr Phe Pro Val Ser Glu Glu Leu Glu Ala Asp Leu Ala Ser Gly Asp
 290 295 300
 Gln Ser Leu Pro Met Gly Val Leu Gly Ala Gln Ser Glu Arg Phe Pro
 305 310 315 320
 Ser Asn Leu Glu Val Glu Ala Ser Pro Gln Ala Ser Ser Ala Glu Val
 325 330 335
 Asn Ala Ser Pro Leu Trp Asn Leu Ala His Val Lys Met Glu Pro Gln
 340 345 350
 Glu Ser Glu Glu Gly Asn Val Ser Gly His Gly Val Leu Gly Ser Asp
 355 360 365
 Val Phe Glu Glu Pro Met Ser Gly Met Ser Glu Ala Gly Ile Pro Gln

370	375	380
Ser Pro Asp Asp Ser Asp Ser Ser Tyr Gly Ser His Ser Thr Asp Ser		
385	390	395
Leu Met Gly Ser Ser Pro Val Phe Asn Gln Arg Cys Lys Lys Arg Met		
405	410	415
Arg Lys Ile		
419		

<210> 1361
 <211> 220
 <212>Amino acid
 <213> Homo sapiens

<400> 1361		
Arg Glu Gln Ile Leu Phe Ile Glu Ile Arg Asp Thr Ala Lys Gly Gly		
1	5	10
Glu Thr Glu Gln Pro Pro Ser Leu Ser Pro Leu His Gly Gly Arg Met		
20	25	30
Pro Glu Met Gly Glu Gly Ile Gln Ser Leu Ala Arg Glu Thr Gln Ser		
35	40	45
His Arg Gly Arg Arg Gln Gly Trp Asp Ala Thr Trp Val Thr Arg Cys		
50	55	60
Arg Glu Ser Leu Asn Arg Gly Gly Ala Gly Ala Gly Lys Arg Ala Gly		
65	70	75
Ala Leu Ala His His Val Phe Leu Ala Leu Ile Glu Pro Asn Leu Ala		
85	90	95
Glu Arg Glu Ala Ser Glu Glu Glu Val Lys Ala Cys Ser Asp Glu Thr		
100	105	110
Val Val Ala Asp Leu Leu Val Lys Val Val Tyr Val Leu Gly Ala Ile		
115	120	125
Leu Lys Ile Phe Leu Arg Glu Gly Asn Val Leu Asn Gln His Ser Gly		
130	135	140
Met Asp Ile Glu Lys Tyr Ser Glu His Tyr Gln His Asp His Ser Pro		
145	150	155
Gly Ala Glu Asp Asp Ala Ala Gly Gly Gln Leu Arg Pro Thr Ala Gln		
165	170	175
Glu Arg Arg His Lys Glu Gly Ser Arg Gly Ser Pro Arg Cys Lys Arg		
180	185	190
Ala Arg Lys Ala Val Gly Glu Ser Pro Gly Cys Pro Arg Pro Arg Val		
195	200	205
Arg Pro Arg Val Arg Pro Arg Val Arg Pro Arg Val		
210	215	220

<210> 1362
 <211> 82
 <212>Amino acid
 <213> Homo sapiens

<400> 1362		
Gly Thr Arg Gly Cys Cys Arg Glu Gly Thr Ala Tyr Ala Lys Ala Tyr		
1	5	10
Gln Phe Met Ala Ser His Leu Ser Leu Gly Lys Pro Val Ser Thr Gly		
20	25	30
Ser Ile Pro Arg Phe Asn Lys Ala Leu Phe Asn Lys Gln Ala Lys Cys		

35	40	45
Lys Pro Asn His Tyr Ser Phe Ile Gly Leu Ser Met Leu Ser Pro Glu		
50	55	60
Asn Phe Ser Ile Gly Cys Lys Tyr Ser Val Trp Phe Ser Glu Thr Lys		
65	70	75
Gly Phe		
82		

<210> 1363
 <211> 143
 <212>Amino acid
 <213> Homo sapiens

<400> 1363		
Gly Ala Gln Gly Val Arg Val Gly Ile Gly Glu Val Gly Arg Val Gln		
1	5	10
Ala Pro Arg Val Ser Leu Leu His Ser Gln Gly Val Pro Arg Gly Gly		
20	25	30
Thr Gly Glu Ala Val Lys Glu Glu Gly Arg Gly Ser Ser Leu His Pro		
35	40	45
Pro Leu Pro Pro Gln Gly Leu Gly Glu Tyr Ala Ala Cys Gln Ser His		
50	55	60
Ala Phe Met Lys Gly Val Phe Thr Phe Val Thr Gly Thr Gly Met Ala		
65	70	75
80		
Phe Gly Leu Gln Met Phe Ile Gln Arg Lys Phe Pro Tyr Pro Leu Gln		
85	90	95
Trp Ser Leu Leu Val Ala Val Val Ala Gly Ser Val Val Ser Tyr Gly		
100	105	110
Val Thr Arg Val Glu Ser Glu Lys Cys Asn Asn Leu Trp Leu Phe Leu		
115	120	125
Glu Thr Gly Gln Leu Pro Lys Asp Arg Ser Thr Asp Gln Arg Ser		
130	135	140
		143

<210> 1364
 <211> 194
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(194)
 <223> X = any amino acid or stop code

<400> 1364		
Gly Thr Ser Glu Leu Leu Cys Ile Gln Arg Trp Asn Trp Gly Pro Ala		
1	5	10
Phe Pro Pro Arg Pro Gly Leu Ala Leu Ala Pro Thr Leu Gln Leu Leu		
20	25	30
Val Glu Met Gly Ser Ala Lys Ser Val Pro Val Thr Pro Ala Arg Pro		
35	40	45
Pro Pro His Asn Lys His Leu Ala Arg Val Ala Asp Pro Arg Ser Pro		
50	55	60
Ser Ala Gly Ile Leu Arg Thr Pro Ile Gln Val Glu Ser Ser Pro Gln		
65	70	75
		80

Pro Gly Leu Pro Ala Gly Glu Gln Leu Glu Gly Leu Lys His Ala Gln
 85 90 95
 Asp Ser Asp Pro Arg Ser Pro Leu Gly Lys Asn Xaa Gly His Gly Trp
 100 105 110
 Gln Val Gly Gln Gly Ser Asp Leu Gly Ser Pro Gln Pro Leu Pro Pro
 115 120 125
 Ser Ala Ser His Leu Tyr Ser Ser Arg Ala Ser Arg Cys Ser Gln Pro
 130 135 140
 Pro Cys Leu Ser Leu Pro Trp Phe Gly Val Arg Ser Ser Pro Ala Asn
 145 150 155 160
 Thr Tyr His Val Pro Val Thr Ser Leu Cys Pro Ser Pro Ala Leu His
 165 170 175
 Tyr Thr Ala Leu Gln Ala Gly Ile Ile Ser Thr Ser Gln Ala Arg Ala
 180 185 190
 Pro Arg
 194

<210> 1365
<211> 114
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(114)
<223> X = any amino acid or stop code

<400> 1365
 Pro Leu Leu Leu Pro Arg Phe Ile Asp Ile Pro Cys Leu Leu Cys Tyr
 1 5 10 15
 Leu Thr Gln Val Thr Pro Asp Asp Met Tyr Ala Lys Ala Phe Leu Ile
 20 25 30
 Lys Pro Asn Thr Ala Ile Thr Gly Thr Asp Arg Arg Lys Leu Arg Ala
 35 40 45
 Asp Glu Thr Thr Asp Phe Pro Thr Leu Gly Thr Asp Gln Ile Tyr Glu
 50 55 60
 Leu Leu Pro Gly Lys Asp Glu Leu Asn Ile Val Lys Ser Asn Ala His
 65 70 75 80
 Lys Arg Asp Ala Xaa Thr Ala Tyr Val Ser Gly Glu Asn His Ile Leu
 85 90 95
 Ser Glu Pro Xaa Lys Asn Leu Tyr Pro Ala Val Asn Thr Leu Ser Ser
 100 105 110
 Tyr Pro
 114

<210> 1366
<211> 80
<212>Amino acid
<213> Homo sapiens

<400> 1366
 Ser Arg Gln Pro Pro Pro Leu Leu Thr Met Val Phe Leu Leu Glu Phe
 1 5 10 15
 Leu Phe Leu Val Phe Phe Pro Gly Cys Val Asn Gln Leu Leu Leu Ser

	20	25	30
Tyr Pro Trp Gln Gly Gln Gly Thr Ser Leu Trp Ser Ser Leu Ser Phe			
35	40	45	
His Trp Leu Leu Pro Gln Glu Asp Ser Ser Arg Leu Ser Ile Phe Pro			
50	55	60	
Leu Arg Ala Gly Ser Pro Pro Gln Pro Ala Gln Ala Pro Gln Arg Ile			
65	70	75	80

<210> 1367
<211> 301
<212>Amino acid
<213> Homo sapiens

	<400> 1367		
Lys Ser Arg Glu Gln Ser Ser Leu Phe Ala Ala Asp Ala Glu Arg Ser			
1	5	10	15
Trp Gly Gly Lys Ser Cys Cys Leu Leu Arg Trp Arg Phe Val Gly Lys			
20	25	30	
Ala Ser His Phe Pro Arg Leu Leu Pro Leu Pro Gly Glu Glu Arg Pro			
35	40	45	
Glu Thr Lys Glu Arg Ala Trp Lys Met Glu Gln Thr Trp Thr Arg Asp			
50	55	60	
Tyr Phe Ala Glu Asp Asp Gly Glu Met Val Pro Arg Thr Ser His Thr			
65	70	75	80
Ala Ala Ser Val Ser Leu Thr Ala Phe Leu Ser Asp Thr Lys Asp Arg			
85	90	95	
Gly Pro Pro Val Gln Ser Gln Ile Trp Arg Ser Gly Glu Lys Val Pro			
100	105	110	
Phe Val Gln Thr Tyr Ser Leu Arg Ala Phe Glu Lys Pro Pro Gln Val			
115	120	125	
Gln Thr Gln Ala Leu Arg Asp Phe Glu Lys His Leu Asn Asp Leu Lys			
130	135	140	
Lys Glu Asn Phe Ser Leu Lys Leu Leu Ile Tyr Phe Leu Glu Glu Arg			
145	150	155	160
Met Gln Gln Lys Tyr Glu Ala Ser Arg Glu Asp Ile Tyr Lys Arg Asn			
165	170	175	
Thr Glu Leu Lys Val Glu Val Glu Ser Leu Lys Arg Glu Leu Gln Asp			
180	185	190	
Lys Lys Gln His Leu Asp Lys Thr Trp Ala Asp Val Glu Asn Leu Asn			
195	200	205	
Ser Gln Asn Glu Ala Glu Leu Arg Arg Gln Phe Glu Glu Arg Gln Gln			
210	215	220	
Glu Met Glu His Val Tyr Glu Leu Leu Glu Asn Lys Met Gln Leu Leu			
225	230	235	240
Gln Glu Glu Ser Arg Leu Ala Lys Asn Glu Ala Ala Arg Met Ala Ala			
245	250	255	
Leu Val Glu Ala Glu Lys Glu Cys Asn Leu Glu Leu Ser Glu Lys Leu			
260	265	270	
Lys Gly Val Thr Lys Asn Trp Glu Asp Val Pro Gly Asp Gln Val Lys			
275	280	285	
Pro Asp Gln Tyr Thr Glu Ala Leu Ala Gln Arg Asp Lys			
290	295	300	301

<210> 1368
<211> 308
<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(308)

<223> X = any amino acid or stop code

<400> 1368

Thr	Arg	Arg	Arg	Gly	Thr	Thr	Trp	Arg	Ser	Pro	Arg	Pro	Arg	Arg	Ala
1				5				10					15		
Ser	Thr	Ser	Arg	Pro	Ser	Thr	Arg	Pro	Arg	Gly	Val	Ala	Ser	Trp	Pro
						20			25				30		
Trp	Glu	Thr	Ala	Gly	Thr	Ala	Thr	Thr	Gly	Pro	Gly	Pro	Ser	Ala	Arg
	35						40					45			
Thr	Arg	Arg	Arg	Ala	Ala	Arg	Arg	Arg	Ser	Arg	Pro	Arg	Arg	Arg	
	50					55				60					
Ala	His	Gly	Gly	Leu	Ser	Gln	Pro	Ala	Gly	Trp	Gln	Ser	Leu	Leu	Ser
	65				70				75				80		
Phe	Thr	Ile	Leu	Phe	Leu	Ala	Trp	Leu	Ala	Gly	Phe	Ser	Ser	Arg	Leu
							85		90				95		
Phe	Ala	Val	Ile	Arg	Phe	Glu	Ser	Ile	Ile	His	Glu	Phe	Asp	Pro	Trp
		100					105				110				
Phe	Asn	Tyr	Arg	Ser	Thr	His	His	Leu	Ala	Ser	His	Gly	Phe	Tyr	Glu
	115						120				125				
Phe	Leu	Asn	Trp	Phe	Asp	Glu	Arg	Ala	Trp	Tyr	Pro	Leu	Gly	Arg	Ile
	130				135				140						
Val	Gly	Gly	Thr	Val	Tyr	Pro	Gly	Leu	Met	Ile	Thr	Ala	Gly	Leu	Ile
	145				150				155				160		
His	Trp	Ile	Leu	Asn	Thr	Leu	Asn	Ile	Thr	Val	His	Ile	Arg	Asp	Val
		165						170				175			
Cys	Val	Phe	Leu	Ala	Pro	Thr	Phe	Ser	Gly	Leu	Thr	Ser	Ile	Ser	Thr
		180					185				190				
Phe	Leu	Leu	Thr	Arg	Glu	Leu	Trp	Asn	Gln	Gly	Ala	Gly	Leu	Leu	Ala
	195					200				205					
Ala	Cys	Phe	Ile	Ala	Ile	Val	Pro	Gly	Tyr	Ile	Ser	Arg	Ser	Val	Ala
	210					215				220					
Gly	Ser	Phe	Asp	Asn	Glu	Gly	Ile	Ala	Ile	Phe	Ala	Leu	Gln	Phe	Thr
	225				230				235				240		
Tyr	Tyr	Leu	Trp	Val	Lys	Ser	Val	Lys	Thr	Gly	Ser	Val	Phe	Trp	Thr
		245					250				255				
Met	Cys	Cys	Leu	Ser	Tyr	Phe	Tyr	Met	Val	Ser	Ala	Trp	Gly	Gly	
	260					265				270					
Tyr	Val	Phe	Ile	Ile	Asn	Leu	Ile	Pro	Leu	His	Ala	Phe	Val	Leu	Val
	275					280				285					
Leu	Met	Gln	Arg	Tyr	Ser	Lys	Arg	Val	Tyr	Ile	Xaa	Tyr	Ser	Thr	Phe
	290					295				300					
Tyr	Ile	Val	Gly												
	305			308											

<210> 1369

<211> 212

<212>Amino acid

<213> Homo sapiens

<400> 1369

Arg Arg Leu Ile Val Val Leu Ser Asp Ala Phe Leu Ser Arg Ala Trp
 1 5 10 15
 Cys Ser His Ser Phe Arg Val Gly Pro Ala Arg Gly Trp Val Gly Pro
 20 25 30
 Ser Val Ala Pro Thr Pro Leu Thr Val Pro Pro Arg Arg Glu Gly Leu
 35 40 45
 Cys Arg Leu Leu Glu Leu Thr Arg Arg Pro Ile Phe Ile Thr Phe Glu
 50 55 60
 Gly Gln Arg Arg Asp Pro Ala His Pro Ala Leu Arg Leu Leu Arg Gln
 65 70 75 80
 His Arg His Leu Val Thr Leu Leu Leu Trp Arg Pro Gly Ser Val Thr
 85 90 95
 Pro Ser Ser Asp Phe Trp Lys Glu Val Gln Leu Ala Leu Pro Arg Lys
 100 105 110
 Val Arg Tyr Arg Pro Val Glu Gly Asp Pro Gln Thr Gln Leu Gln Asp
 115 120 125
 Asp Lys Asp Pro Met Leu Ile Leu Arg Gly Arg Val Pro Glu Gly Arg
 130 135 140
 Ala Leu Asp Ser Glu Val Asp Pro Asp Pro Glu Gly Asp Leu Gly Val
 145 150 155 160
 Arg Gly Pro Val Phe Gly Glu Pro Ser Ala Pro Pro His Thr Ser Gly
 165 170 175
 Val Ser Leu Gly Glu Ser Arg Ser Ser Glu Val Asp Val Ser Asp Leu
 180 185 190
 Gly Ser Arg Asn Tyr Ser Ala Arg Thr Asp Phe Tyr Cys Leu Val Ser
 195 200 205
 Lys Asp Asp Met
 210 212

<210> 1370
 <211> 281
 <212>Amino acid
 <213> Homo sapiens

<400> 1370
 Leu Ser His Glu Gly Trp Arg Arg Gly Arg Glu Gly Glu Arg Ile Asn
 1 5 10 15
 Ser Ser Val Ala Ser Leu Ala Pro Leu Cys Ile Leu Pro Asp Leu Pro
 20 25 30
 Ser Asn Met His Leu Ala Arg Leu Val Gly Ser Cys Ser Leu Leu
 35 40 45
 Leu Leu Gly Ala Leu Ser Gly Trp Ala Ala Ser Asp Asp Pro Ile Glu
 50 55 60
 Lys Val Ile Glu Gly Ile Asn Arg Gly Leu Ser Asn Ala Glu Arg Glu
 65 70 75 80
 Val Gly Lys Ala Leu Asp Gly Ile Asn Ser Gly Ile Thr His Ala Gly
 85 90 95
 Arg Glu Val Glu Lys Val Phe Asn Gly Leu Ser Asn Met Gly Ser His
 100 105 110
 Thr Gly Lys Glu Leu Asp Lys Gly Val Gln Gly Leu Asn His Gly Met
 115 120 125
 Asp Lys Val Ala His Glu Ile Asn His Gly Ile Gly Gln Ala Gly Lys
 130 135 140
 Glu Ala Glu Lys Leu Gly His Gly Val Asn Asn Ala Ala Gly Gln Ala
 145 150 155 160
 Gly Lys Glu Ala Asp Lys Ala Val Gln Gly Phe His Thr Gly Val His
 165 170 175
 Gln Ala Gly Lys Glu Ala Glu Lys Leu Gly Gln Gly Val Asn His Ala
 180 185 190

Ala Asp Gln Ala Gly Lys Glu Val Glu Lys Leu Gly Gln Gly Ala His
 195 200 205
 His Ala Ala Gly Gln Ala Gly Lys Glu Leu Gln Asn Ala His Asn Gly
 210 215 220
 Val Asn Gln Ala Ser Lys Glu Ala Asn Gln Leu Leu Asn Gly Asn His
 225 230 235 240
 Gln Ser Gly Ser Ser His Gln Gly Gly Ala Thr Thr Pro Leu
 245 250 255
 Ala Ser Gly Ala Ser Val Asn Thr Pro Phe Ile Asn Leu Pro Ala Leu
 260 265 270
 Trp Arg Ser Val Ala Asn Ile Met Pro
 275 280 281

<210> 1371
 <211> 119
 <212>Amino acid
 <213> Homo sapiens

<400> 1371
 Ser Ala Ser Gly Gly Leu Gly Met Thr Val Glu Gly Pro Glu Gly Ser
 1 5 10 15
 Glu Arg Glu His Arg Pro Pro Glu Lys Pro Pro Arg Pro Pro Arg Pro
 20 25 30
 Leu His Leu Ser Asp Arg Ser Phe Arg Arg Lys Lys Asp Ser Val Glu
 35 40 45
 Ser His Pro Thr Trp Val Asp Asp Thr Arg Ile Asp Ala Asp Ala Ile
 50 55 60
 Val Glu Lys Ile Val Gln Ser Gln Asp Phe Thr Asp Gly Ser Asn Thr
 65 70 75 80
 Glu Asp Ser Asn Leu Arg Leu Phe Val Ser Arg Asp Gly Ser Ala Thr
 85 90 95
 Leu Ser Gly Ile Gln Leu Ala Thr Arg Val Ser Ser Gly Val Tyr Glu
 100 105 110
 Pro Val Val Ile Glu Ser His
 115 119

<210> 1372
 <211> 108
 <212>Amino acid
 <213> Homo sapiens

<400> 1372
 Glu Arg Ser Gly Trp Pro Gln Pro Glu Gly Thr Val Thr Ala Gln Gly
 1 5 10 15
 Pro Leu Phe Trp Glu Arg Leu Ser Gly Ala Val Thr Val Ser Ser Gly
 20 25 30
 Tyr Lys Ala Asp Met Trp Pro Ser Phe Pro Gln Val Arg Val Gly Ser
 35 40 45
 Phe Leu Phe Gly Ile Leu Phe Phe Ser Phe Gly Ser Ser Ser Leu Pro
 50 55 60
 Pro Gly Leu Pro Pro Pro Ala Ser Leu Leu Cys Cys Ala Val Gln Trp
 65 70 75 80
 Gly Ala Arg Ala Leu Phe Leu Pro Cys Leu Lys Glu Arg Ala Leu Gly
 85 90 95

Met Glu Met Arg Asn Asn Thr Leu Ser Phe Arg Gln
 100 105 108

<210> 1373
 <211> 209
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (209)
 <223> X = any amino acid or stop code

<400> 1373
 Ser Ser Ser Asn Leu Arg Leu Ser Phe Leu Ile Asn Glu Asn Ile Leu
 1 5 10 15
 Gly Lys Cys Phe Arg Ser Gly Pro Ser Cys Ala Gly Pro Arg Ile Ser
 20 25 30
 Pro Leu Ala Ala Gln Tyr Glu Cys Pro Arg Pro Ser Leu Leu Ile Met
 35 40 45
 Ala Ser Val Pro Lys Thr Asn Lys Ile Glu Pro Arg Ser Tyr Ser Ile
 50 55 60
 Ile Pro Ser Cys Gly Ile Arg Arg Leu Gly Pro Ala Leu Asn Thr Leu
 65 70 75 80
 Ile Phe Gln Ser Lys Arg Phe Gly Pro Arg Gly His Ser Ala Lys Ser
 85 90 95
 Ile Glu Gly Ala Pro Arg Gly Lys Gly Arg Gly Arg Ala Val Ala Arg
 100 105 110
 Leu Ala Ala Asp Arg Pro Pro Ala Pro Lys Ile Gln Leu Arg Ala Phe
 115 120 125
 Xaa Leu Gln Gln Leu Xaa Tyr Thr Leu Leu Glu Leu Glu Leu Pro Arg
 130 135 140
 Leu Leu Ala Pro Asp Leu Pro Ser Asn Gly Ser Ser Leu Lys Asp Leu
 145 150 155 160
 Lys Trp Thr His Ser Asn Tyr Arg Ala Ser Lys Glu Ser Cys Ile Val
 165 170 175
 Ile Phe Val Thr Ser Pro Gly Arg Glu Trp Val Ile Cys Ala Leu
 180 185 190
 Ala Ala Phe Leu Gly Cys Gly Ser Leu Ser Gln Ala Pro Ser Pro Glu
 195 200 205
 Ser
 209

<210> 1374
 <211> 153
 <212>Amino acid
 <213> Homo sapiens

<400> 1374
 Leu Arg Ile Ile Asn Thr Tyr Phe Cys Phe Lys Phe Leu Ile Val Asn
 1 5 10 15
 Tyr Ile His Gly Thr Thr Lys Ala Arg Lys Pro His Val Leu Gly Glu
 20 25 30
 Ser Leu Ile Ser Ala Met Ser Arg Gln Glu Pro Lys Met Phe Val Leu

35	40	45
Leu Tyr Val Thr Ser Phe Ala Ile Cys Ala Ser Gly Gln Pro Arg Gly		
50	55	60
Asn Gln Leu Lys Gly Glu Asn Tyr Ser Pro Arg Tyr Ile Cys Ser Ile		
65	70	75
Pro Gly Leu Pro Gly Pro Pro Gly Pro Pro Gly Ala Asn Gly Ser Pro		
85	90	95
Gly Pro His Gly Arg Ile Gly Leu Pro Gly Arg Asp Gly Arg Asp Gly		
100	105	110
Arg Lys Gly Glu Lys Gly Glu Lys Gly Thr Ala Gly Leu Arg Gly Lys		
115	120	125
Thr Gly Pro Leu Gly Leu Ala Gly Glu Lys Gly Asp Gln Gly Glu Thr		
130	135	140
Gly Lys Lys Gly Pro Ile Gly Pro Glu		
145	150	153

<210> 1375

<211> 149

<212>Amino acid

<213> Homo sapiens

<400> 1375

1	5	10	15
Val Ala Pro Ser Val Val Leu Glu Glu Asp Gln Val Leu Val Ser Pro			
20	25	30	
Ala Val Asp Leu Glu Ala Gly Cys Arg Leu Arg Asp Phe Thr Glu Lys			
35	40	45	
Ile Met Asn Val Lys Gly Lys Val Ile Leu Ser Met Leu Val Val Ser			
50	55	60	
Thr Val Ile Ile Val Phe Trp Glu Phe Ile Asn Ser Thr Glu Gly Ser			
65	70	75	80
Phe Leu Trp Ile Tyr His Ser Lys Asn Pro Glu Val Asp Asp Ser Ser			
85	90	95	
Ala Gln Lys Gly Trp Trp Phe Leu Ser Trp Phe Asn Asn Gly Ile His			
100	105	110	
Asn Tyr Gln Gln Gly Glu Glu Asp Ile Asp Lys Glu Lys Gly Arg Glu			
115	120	125	
Glu Thr Lys Gly Arg Lys Met Thr Gln Gln Ser Phe Gly Tyr Gly Thr			
130	135	140	
Gly Leu Ile Gln Thr			
145	149		

<210> 1376

<211> 416

<212>Amino acid

<213> Homo sapiens

<400> 1376

1	5	10	15
Pro Tyr Cys Asp Thr Pro Thr Met Arg Thr Leu Phe Asn Leu Leu Trp			
20	25	30	
Leu Ala Leu Ala Cys Ser Pro Val His Thr Thr Leu Ser Lys Ser Asp			

35	40	45
Ala Lys Lys Ala Ala Ser Lys Thr Leu Leu Glu Lys Ser Gln Phe Ser		
50	55	60
Asp Lys Pro Val Gln Asp Arg Gly Leu Val Val Thr Asp Leu Lys Ala		
65	70	75
Glu Ser Val Val Leu Glu His Arg Ser Tyr Cys Ser Ala Lys Ala Arg		
85	90	95
Asp Arg His Phe Ala Gly Asp Val Leu Gly Tyr Val Thr Pro Trp Asn		
100	105	110
Ser His Gly Tyr Asp Val Thr Lys Val Phe Gly Ser Lys Phe Thr Gln		
115	120	125
Ile Ser Pro Val Trp Leu Gln Leu Lys Arg Arg Gly Arg Glu Met Phe		
130	135	140
Glu Val Thr Gly Leu His Asp Val Asp Gln Gly Trp Met Arg Ala Val		
145	150	155
Arg Lys His Ala Lys Gly Leu His Ile Val Pro Arg Leu Leu Phe Glu		
165	170	175
Asp Trp Thr Tyr Asp Asp Phe Arg Asn Val Leu Asp Ser Glu Asp Glu		
180	185	190
Ile Glu Glu Leu Ser Lys Thr Val Val Gln Val Ala Lys Asn Gln His		
195	200	205
Phe Asp Gly Phe Val Val Glu Val Trp Asn Gln Leu Leu Ser Gln Lys		
210	215	220
Arg Val Gly Leu Ile His Met Leu Thr His Leu Ala Glu Ala Leu His		
225	230	235
Gln Ala Arg Leu Leu Ala Leu Leu Val Ile Pro Pro Ala Ile Thr Pro		
245	250	255
Gly Thr Asp Gln Leu Gly Met Phe Thr His Lys Glu Phe Glu Gln Leu		
260	265	270
Ala Pro Val Leu Asp Gly Phe Ser Leu Met Thr Tyr Asp Tyr Ser Thr		
275	280	285
Ala His Gln Pro Gly Pro Asn Ala Pro Leu Ser Trp Val Arg Ala Cys		
290	295	300
Val Gln Val Leu Asp Pro Lys Ser Lys Trp Arg Ser Lys Ile Leu Leu		
305	310	315
Gly Leu Asn Phe Tyr Gly Met Asp Tyr Ala Thr Ser Lys Asp Ala Arg		
325	330	335
Glu Pro Val Val Gly Ala Arg Tyr Ile Gln Thr Leu Lys Asp His Arg		
340	345	350
Pro Arg Met Val Trp Asp Ser Gln Val Ser Glu His Phe Phe Glu Tyr		
355	360	365
Lys Lys Ser Arg Ser Gly Arg His Val Val Phe Tyr Pro Thr Leu Lys		
370	375	380
Ser Leu Gln Val Arg Leu Glu Leu Ala Arg Glu Leu Gly Val Gly Val		
385	390	395
Ser Ile Trp Glu Leu Gly Gln Gly Leu Asp Tyr Phe Tyr Asp Leu Leu		
405	410	415 416

<210> 1377
 <211> 316
 <212>Amino acid
 <213> Homo sapiens

<400> 1377
 Gly Arg Glu Gly Thr Gly Trp Gly Pro Ala Met Ser Glu Val Thr Arg
 1 5 10 15
 Ser Leu Leu Gln Arg Trp Gly Ala Ser Phe Arg Arg Gly Ala Asp Phe

	20	25	30
Asp Ser Trp Gly Gln Leu Val Glu Ala Ile Asp Glu Tyr Gln Ile Leu			
35	40	45	
Ala Arg His Leu Gln Lys Glu Ala Gln Ala Gln His Asn Asn Ser Glu			
50	55	60	
Phe Thr Glu Glu Gln Lys Lys Thr Ile Gly Lys Ile Ala Thr Cys Leu			
65	70	75	80
Glu Leu Arg Ser Ala Ala Leu Gln Ser Thr Gln Ser Gln Glu Glu Phe			
85	90	95	
Lys Leu Glu Asp Leu Lys Leu Glu Pro Ile Leu Lys Asn Ile Leu			
100	105	110	
Thr Tyr Asn Lys Glu Phe Pro Phe Asp Val Gln Pro Val Pro Leu Arg			
115	120	125	
Arg Ile Leu Ala Pro Gly Glu Glu Asn Leu Glu Phe Glu Glu Asp			
130	135	140	
Glu Glu Glu Gly Gly Ala Gly Ala Gly Ser Pro Asp Ser Phe Pro Ala			
145	150	155	160
Arg Val Pro Gly Thr Leu Leu Pro Arg Leu Pro Ser Glu Pro Gly Met			
165	170	175	
Thr Leu Leu Thr Ile Arg Ile Glu Lys Ile Gly Leu Lys Asp Ala Gly			
180	185	190	
Gln Cys Ile Asn Pro Tyr Ile Thr Val Ser Val Lys Asp Leu Asn Gly			
195	200	205	
Ile Asp Leu Thr Pro Val Gln Asp Thr Pro Val Ala Ser Arg Lys Glu			
210	215	220	
Asp Thr Tyr Val His Phe Asn Val Asp Ile Glu Leu Gln Lys His Val			
225	230	235	240
Glu Lys Leu Thr Lys Gly Ala Ala Ile Phe Phe Glu Phe Lys His Tyr			
245	250	255	
Lys Pro Lys Lys Arg Phe Thr Ser Thr Lys Cys Phe Ala Phe Met Glu			
260	265	270	
Met Asp Glu Ile Lys Leu Gly Pro Ile Val Ile Glu Leu Tyr Lys Lys			
275	280	285	
Pro Thr Asp Phe Lys Arg Lys Gln Leu Gln Leu Leu Thr Lys Lys Pro			
290	295	300	
Leu Tyr Leu His Leu His Gln Thr Leu His Lys Glu			
305	310	315	316

<210> 1378
 <211> 90
 <212>Amino acid
 <213> Homo sapiens

	<400> 1378		
Gly Ser Ile Thr Ser Glu Pro Ser Leu Asp Ser Leu Gln Pro Leu Pro			
1	5	10	15
Pro Gly Phe Lys Arg Phe Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp			
20	25	30	
Tyr Arg Arg Pro Pro Pro Gly Leu Ala Tyr Phe Cys Ile Phe Ser Arg			
35	40	45	
Asp Glu Val Ser Pro Cys Trp Pro Gly Cys Ser Pro Ser Pro Asp Leu			
50	55	60	
Met Ile Arg Leu Pro Arg Pro Pro Ser Val Gly Ile Thr Gly Val Ser			
65	70	75	80
His Arg Ala Trp Pro Thr Ile Asp Asn Phe			
85	90		

<210> 1379

<211> 332
 <212>Amino acid
 <213> Homo sapiens

<400> 1379

Lys	Met	Pro	Val	Pro	Trp	Phe	Leu	Leu	Ser	Leu	Ala	Leu	Gly	Arg	Ser
1															15
Pro	Val	Val	Leu	Ser	Leu	Glu	Arg	Leu	Val	Gly	Pro	Gln	Asp	Ala	Thr
															20
His	Cys	Ser	Pro	Gly	Leu	Ser	Cys	Arg	Leu	Trp	Asp	Ser	Asp	Ile	Leu
															35
Cys	Leu	Pro	Gly	Asp	Ile	Val	Pro	Ala	Pro	Gly	Pro	Val	Leu	Ala	Pro
															50
Thr	His	Leu	Gln	Thr	Glu	Leu	Val	Leu	Arg	Cys	Gln	Lys	Glu	Thr	Asp
															65
Cys	Asp	Leu	Cys	Leu	Arg	Val	Ala	Val	His	Leu	Ala	Val	His	Gly	His
															85
Trp	Glu	Glu	Pro	Glu	Asp	Glu	Glu	Lys	Phe	Gly	Gly	Ala	Ala	Asp	Ser
															100
Gly	Val	Glu	Glu	Pro	Arg	Asn	Ala	Ser	Leu	Gln	Ala	Gln	Val	Val	Leu
															115
Ser	Phe	Gln	Ala	Tyr	Pro	Thr	Ala	Arg	Cys	Val	Leu	Leu	Glu	Val	Gln
															130
Val	Pro	Ala	Ala	Leu	Val	Gln	Phe	Gly	Gln	Ser	Val	Gly	Ser	Val	Val
															145
Tyr	Asp	Cys	Phe	Glu	Ala	Ala	Leu	Gly	Ser	Glu	Val	Arg	Ile	Trp	Ser
															165
Tyr	Thr	Gln	Pro	Arg	Tyr	Glu	Lys	Glu	Leu	Asn	His	Thr	Gln	Gln	Leu
															180
Pro	Asp	Cys	Arg	Gly	Leu	Glu	Val	Trp	Asn	Ser	Ile	Pro	Ser	Cys	Trp
															195
Ala	Leu	Pro	Trp	Leu	Asn	Val	Ser	Ala	Asp	Gly	Asp	Asn	Val	His	Leu
															210
Val	Leu	Asn	Val	Ser	Glu	Glu	Gln	His	Phe	Gly	Leu	Ser	Leu	Tyr	Trp
															225
Asn	Gln	Val	Gln	Gly	Pro	Pro	Lys	Pro	Arg	Trp	His	Lys	Asn	Leu	Val
															245
Arg	Pro	Pro	Pro	Ser	Gln	Val	His	Ser	His	Cys	Arg	Pro	Cys	Leu	Cys
															260
Lys	Asp	Ala	Val	Pro	Tyr	Gln	Arg	Gly	Ser	Leu	Lys	Arg	Thr	His	Pro
															275
Lys	Gln	Gly	Lys	Ile	Gly	Gly	Gly	Thr	Ser	Ala	Phe	Leu	Val	Ser	Leu
															290
Thr	Leu	Ala	Ser	Ser	Ser	Ser	Ser	Leu	Ser	Ser	Pro	Thr	Ser	Phe	Leu
															305
Tyr	Leu	Phe	His	Arg	Leu	Asp	Arg	Arg	Ser	Leu	Pro				
															325
															330
															332

<210> 1380
 <211> 117
 <212>Amino acid
 <213> Homo sapiens

<400> 1380
 Leu Arg Leu Trp Asn Arg Asn Gln Met Met His Asn Ile Ile Val Lys

1	5	10	15												
Glu	Leu	Ile	Val	Thr	Phe	Phe	Leu	Gly	Ile	Thr	Val	Val	Gln	Met	Leu
20	25	30													
Ile	Ser	Val	Thr	Gly	Leu	Lys	Gly	Val	Glu	Ala	Gln	Asn	Gly	Ser	Glu
35	40	45													
Ser	Glu	Val	Phe	Val	Gly	Lys	Tyr	Glu	Thr	Leu	Val	Phe	Tyr	Trp	Pro
50	55	60													
Ser	Leu	Leu	Cys	Leu	Ala	Phe	Leu	Leu	Gly	Arg	Phe	Leu	His	Met	Phe
65	70	75													
Val	Lys	Ala	Leu	Arg	Val	His	Leu	Gly	Trp	Glu	Leu	Gln	Val	Glu	Glu
85	90	95													
Lys	Ser	Val	Leu	Glu	Val	His	Gln	Gly	Glu	His	Val	Lys	Gln	Leu	Leu
100	105	110													
Arg	Ile	Pro	Arg	Pro											
115	117														

<210> 1381

<211> 216

<212>Amino acid

<213> Homo sapiens

<400> 1381

1	5	10	15												
Lys	Val	Asn	Arg	Lys	Leu	Arg	Lys	Gly	Lys	Ile	Ser	His	Asp	Lys	
20	25	30													
Arg	Lys	Lys	Ser	Arg	Ser	Lys	Ala	Ile	Gly	Ser	Asp	Thr	Ser	Asp	Ile
35	40	45													
Val	His	Ile	Trp	Cys	Pro	Glu	Gly	Met	Lys	Thr	Ser	Asp	Ile	Lys	Glu
50	55	60													
Leu	Asn	Ile	Val	Leu	Pro	Glu	Phe	Glu	Lys	Thr	His	Leu	Glu	His	Gln
65	70	75													
Gln	Arg	Ile	Glu	Ser	Lys	Val	Cys	Lys	Ala	Ala	Ile	Ala	Thr	Phe	Tyr
85	90	95													
Leu	Thr	Asn	Leu	Lys	Arg	Lys	Asn	Ala	Lys	Met	Ile	Ser	Asp	Ile	Glu
100	105	110													
Lys	Lys	Arg	Gln	Arg	Met	Ile	Glu	Val	Gln	Asp	Glu	Leu	Arg	Leu	
115	120	125													
Glu	Pro	Gln	Leu	Lys	Gln	Leu	Gln	Thr	Lys	Tyr	Asp	Glu	Leu	Lys	Glu
130	135	140													
Arg	Lys	Ser	Ser	Leu	Arg	Asn	Ala	Ala	Tyr	Phe	Leu	Ser	Asn	Leu	Lys
145	150	155													
Gln	Leu	Tyr	Gln	Asp	Tyr	Ser	Asp	Val	Gln	Ala	Gln	Glu	Pro	Asn	Val
165	170	175													
Lys	Glu	Thr	Tyr	Asp	Ser	Ser	Ser	Leu	Pro	Ala	Leu	Leu	Phe	Lys	Ala
180	185	190													
Arg	Thr	Leu	Leu	Gly	Ala	Glu	Ser	His	Leu	Arg	Asn	Ile	Asn	His	Gln
195	200	205													
Leu	Glu	Lys	Leu	Leu	Asp	Gln	Gly								
210	215	216													

<210> 1382

<211> 137

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(137)
 <223> X = any amino acid or stop code

<400> 1382
 Val Trp Val Ala Met Glu Glu Pro Pro Val Arg Glu Glu Glu Xaa Glu
 1 5 10 15
 Glu Gly Glu Glu Asp Glu Glu Arg Asp Glu Val Gly Pro Glu Gly Ala
 20 25 30
 Leu Gly Lys Ser Pro Phe Gln Leu Thr Ala Glu Asp Val Tyr Asp Ile
 35 40 45
 Ser Tyr Leu Leu Gly Arg Glu Leu Met Ala Leu Gly Ser Asp Pro Arg
 50 55 60
 Val Thr Gln Leu Gln Phe Lys Val Val Arg Val Leu Glu Met Leu Glu
 65 70 75 80
 Ala Leu Val Asn Glu Gly Ser Leu Ala Leu Glu Leu Lys Met Glu
 85 90 95
 Arg Asp His Leu Arg Lys Glu Val Glu Gly Leu Arg Arg Gln Ser Pro
 100 105 110
 Pro Ala Ser Gly Glu Trp Pro Asp Ser Thr Lys Arg Arg Pro Arg Arg
 115 120 125
 Lys Lys Arg Lys Arg Cys Cys Gly Tyr
 130 135 137

<210> 1383
 <211> 90
 <212>Amino acid
 <213> Homo sapiens

<400> 1383
 Pro Arg Asn Asp His Arg Leu Thr Gln Ser Arg Arg Asp Ser Ser Ser
 1 5 10 15
 Lys Thr Arg Ala Phe Leu Val Pro Arg Phe Leu Pro Ala His Ala Gly
 20 25 30
 Val Thr Ser Glu Glu Arg Thr Ala Met Lys Arg Glu Gly Gly Ala Ala
 35 40 45
 His Leu Cys Ser Asp Ser Leu Pro Glu Ser Gln Gln Gln Asp Gly Asn
 50 55 60
 His Ala Pro Asn Phe Ser Ser His Gly Ser Cys Arg Arg Arg Gln Arg
 65 70 75 80
 Arg Arg His Asp Lys Ala Leu His Ala Arg
 85 90

<210> 1384
 <211> 166
 <212>Amino acid
 <213> Homo sapiens

<400> 1384
 Thr His Ala Ser Glu Lys Ser Arg Ala Thr Met Ser Ser Trp Ser Arg
 1 5 10 15

Gln Arg Pro Lys Ser Pro Gly Gly Ile Gln Pro His Val Ser Arg Thr
 20 25 30
 Leu Phe Leu Leu Leu Leu Ala Ala Ser Ala Trp Gly Val Thr Leu
 35 40 45
 Ser Pro Lys Asp Cys Gln Val Phe Arg Ser Asp His Gly Ser Ser Ile
 50 55 60
 Ser Cys Gln Pro Pro Ala Glu Ile Pro Gly Tyr Leu Pro Ala Asp Thr
 65 70 75 80
 Val His Leu Ala Val Glu Phe Phe Asn Leu Thr His Leu Pro Ala Asn
 85 90 95
 Leu Leu Gln Gly Ala Ser Lys Leu Gln Glu Leu His Leu Ser Ser Asn
 100 105 110
 Gly Leu Glu Ser Leu Ser Pro Glu Phe Leu Arg Pro Val Pro Gln Leu
 115 120 125
 Arg Val Leu Asp Leu Thr Arg Asn Ala Leu Thr Gly Leu Pro Pro Gly
 130 135 140
 Leu Phe Gln Ala Ser Ala Thr Leu Asp Thr Leu Val Leu Lys Glu Asn
 145 150 155 160
 Gln Leu Glu Val Leu Glu
 165 166

<210> 1385
<211> 164
<212>Amino acid
<213> Homo sapiens

<400> 1385
 Glu Arg Pro Arg Ile Met Asp Leu Ala Gly Leu Leu Lys Ser Gln Phe
 1 5 10 15
 Leu Cys His Leu Val Phe Cys Tyr Val Phe Ile Ala Ser Gly Leu Ile
 20 25 30
 Ile Asn Thr Ile Gln Leu Phe Thr Leu Leu Leu Trp Pro Ile Asn Lys
 35 40 45
 Gln Leu Phe Arg Lys Ile Asn Cys Arg Leu Ser Tyr Cys Ile Ser Ser
 50 55 60
 Gln Leu Val Met Leu Leu Glu Trp Trp Ser Gly Thr Glu Cys Thr Ile
 65 70 75 80
 Phe Thr Asp Pro Arg Ala Tyr Leu Lys Tyr Gly Lys Glu Asn Ala Ile
 85 90 95
 Val Val Leu Asn His Lys Phe Glu Ile Asp Phe Leu Cys Gly Trp Ser
 100 105 110
 Leu Ser Glu Arg Phe Gly Leu Leu Gly Val Ser Gln Lys Cys Ile Pro
 115 120 125
 Pro Cys Leu Thr His Phe Phe Gly Ser Ala Pro Pro Leu Val Phe Leu
 130 135 140
 Leu Leu Val Ile Gln Asn Leu Gln Lys Asn Gln Gln Ser Phe Tyr Leu
 145 150 155 160
 Met Lys Trp Ser
 164

<210> 1386
<211> 289
<212>Amino acid
<213> Homo sapiens

<400> 1386

Met Ile Val Phe Gly Trp Ala Val Phe Leu Ala Ser Arg Ser Leu Gly
 1 5 10 15
 Gln Gly Leu Leu Leu Thr Leu Glu Glu His Ile Ala His Phe Leu Gly
 20 25 30
 Thr Gly Gly Ala Ala Thr Thr Met Gly Asn Ser Cys Ile Cys Arg Asp
 35 40 45
 Asp Ser Gly Thr Asp Asp Ser Val Asp Thr Gln Gln Gln Ala Glu
 50 55 60
 Asn Ser Ala Val Pro Thr Ala Asp Thr Arg Ser Gln Pro Arg Asp Pro
 65 70 75 80
 Val Arg Pro Pro Arg Arg Gly Arg Gly Pro His Glu Pro Arg Arg Lys
 85 90 95
 Lys Gln Asn Val Asp Gly Leu Val Leu Asp Thr Leu Ala Val Ile Arg
 100 105 110
 Thr Leu Val Asp Asn Asp Gln Glu Pro Pro Tyr Ser Met Ile Thr Leu
 115 120 125
 His Glu Met Ala Glu Thr Asp Glu Gly Trp Leu Asp Val Val Gln Ser
 130 135 140
 Leu Ile Arg Val Ile Pro Leu Glu Asp Pro Leu Gly Pro Ala Val Ile
 145 150 155 160
 Thr Leu Leu Leu Asp Glu Cys Pro Leu Pro Thr Lys Asp Ala Leu Gln
 165 170 175
 Lys Leu Thr Glu Ile Leu Asn Leu Asn Gly Glu Val Ala Cys Gln Asp
 180 185 190
 Ser Ser His Pro Ala Lys His Arg Asn Thr Ser Ala Val Leu Gly Cys
 195 200 205
 Leu Ala Glu Lys Leu Ala Gly Pro Ala Ser Ile Gly Leu Leu Ser Pro
 210 215 220
 Gly Ile Leu Glu Tyr Leu Leu Gln Cys Leu Leu Gln Ser His Pro Thr
 225 230 235 240
 Val Met Leu Phe Ala Leu Ile Ala Leu Glu Lys Phe Ala Gln Thr Ser
 245 250 255
 Glu Asn Lys Leu Thr Ile Ser Glu Ser Ser Ile Ser Asp Arg Leu Val
 260 265 270
 Thr Leu Glu Ser Trp Ala Asn Asp Pro Asp Tyr Leu Lys Arg Gln Val
 275 280 285
 Gly
 289

<210> 1387

<211> 320
 <212>Amino acid
 <213> Homo sapiens

<400> 1387

Arg Phe Gly Thr Arg Gly Leu Ala Lys Ser Lys Gly Val Val Leu Met
 1 5 10 15
 Ala Leu Cys Ala Leu Thr Arg Ala Leu Arg Ser Leu Asn Leu Ala Pro
 20 25 30
 Pro Thr Val Ala Ala Pro Ala Pro Ser Leu Phe Pro Ala Ala Gln Met
 35 40 45
 Met Asn Asn Gly Leu Leu Gln Gln Pro Ser Ala Leu Met Leu Leu Pro
 50 55 60
 Cys Arg Pro Val Leu Thr Ser Val Ala Leu Asn Ala Asn Phe Val Ser
 65 70 75 80
 Trp Lys Ser Arg Thr Lys Tyr Thr Ile Thr Pro Val Lys Met Arg Lys
 85 90 95

Ser Gly Gly Arg Asp His Thr Gly Arg Ile Arg Val His Gly Ile Gly
 100 105 110
 Gly Gly His Lys Gln Arg Tyr Arg Met Ile Asp Phe Leu Arg Phe Arg
 115 120 125
 Pro Glu Glu Thr Lys Ser Gly Pro Phe Glu Glu Lys Val Ile Gln Val
 130 135 140
 Arg Tyr Asp Pro Cys Arg Ser Ala Asp Ile Ala Leu Val Ala Gly Gly
 145 150 155 160
 Ser Arg Lys Arg Trp Ile Ile Ala Thr Glu Asn Met Gln Ala Gly Asp
 165 170 175
 Thr Ile Leu Asn Ser Asn His Ile Gly Arg Met Ala Val Ala Ala Arg
 180 185 190
 Glu Gly Asp Ala His Pro Leu Gly Ala Leu Pro Val Gly Thr Leu Ile
 195 200 205
 Asn Asn Val Glu Ser Glu Pro Gly Arg Gly Ala Gln Tyr Ile Arg Ala
 210 215 220
 Ala Gly Thr Cys Gly Val Leu Leu Arg Lys Val Asn Gly Thr Ala Ile
 225 230 235 240
 Ile Gln Leu Pro Ser Lys Arg Gln Met Gln Val Leu Glu Thr Cys Val
 245 250 255
 Ala Thr Val Gly Arg Val Ser Asn Val Asp His Asn Lys Arg Val Ile
 260 265 270
 Gly Lys Ala Gly Arg Asn Arg Trp Leu Gly Lys Arg Pro Asn Ser Gly
 275 280 285
 Arg Trp His Arg Lys Gly Gly Trp Ala Gly Arg Lys Ile Arg Pro Leu
 290 295 300
 Pro Pro Met Lys Ser Tyr Val Lys Leu Pro Ser Ala Ser Ala Gln Ser
 305 310 315 320

<210> 1388
 <211> 140
 <212>Amino acid
 <213> Homo sapiens

<400> 1388
 Pro Val Gln Gly Ala Arg Cys Trp Leu Asp Ala Arg Arg Asn Val Arg
 1 5 10 15
 Val Phe Ser Gly Val Cys Cys Gly Cys Gly Ile His Gly Tyr Trp Ala
 20 25 30
 Glu Pro Cys Gly Gly Cys Gly Ala Met Glu Gly Leu Arg Ser Ser Val
 35 40 45
 Glu Leu Asp Pro Glu Leu Thr Pro Gly Lys Leu Asp Glu Glu Met Val
 50 55 60
 Gly Leu Pro Pro His Asp Ala Ser Pro Gln Val Thr Phe His Ser Leu
 65 70 75 80
 Asp Gly Lys Thr Val Val Cys Pro His Phe Met Gly Leu Leu Gly
 85 90 95
 Leu Leu Leu Leu Leu Thr Leu Ser Val Arg Asn Gln Leu Cys Val Arg
 100 105 110
 Gly Glu Arg Gln Leu Ala Glu Thr Leu His Ser Gln Val Lys Glu Lys
 115 120 125
 Ser Gln Leu Ile Gly Lys Lys Thr Asp Cys Arg Asp
 130 135 140

<210> 1389
 <211> 448

<212>Amino acid
 <213> Homo sapiens

<400> 1389

Gly Ala Arg Gly Arg Pro Leu Ala Glu Thr Trp Pro Phe Leu Thr Ala
 1 5 10 15
 Pro Val Leu Pro Gly Gln Leu Gln Ile Thr Glu Pro Thr Met Ala Glu
 20 25 30
 Lys Gly Asp Cys Ile Ala Ser Val Tyr Gly Tyr Asp Leu Gly Gly Arg
 35 40 45
 Phe Val Asp Phe Gln Pro Leu Gly Phe Gly Val Asn Gly Leu Val Leu
 50 55 60
 Ser Ala Val Asp Ser Arg Ala Cys Arg Lys Val Ala Val Lys Lys Ile
 65 70 75 80
 Ala Leu Ser Asp Ala Arg Ser Met Lys His Ala Leu Arg Glu Ile Lys
 85 90 95
 Ile Ile Arg Arg Leu Asp His Asp Asn Ile Val Lys Val Tyr Glu Val
 100 105 110
 Leu Gly Pro Lys Gly Thr Asp Leu Gln Gly Glu Leu Phe Lys Phe Ser
 115 120 125
 Val Ala Tyr Ile Val Gln Glu Tyr Met Glu Thr Asp Leu Ala Arg Leu
 130 135 140
 Leu Glu Gln Gly Thr Leu Ala Glu Glu His Ala Lys Leu Phe Met Tyr
 145 150 155 160
 Gln Leu Leu Arg Gly Leu Lys Tyr Ile His Ser Ala Asn Val Leu His
 165 170 175
 Arg Asp Leu Lys Pro Ala Asn Ile Phe Ile Ser Thr Glu Asp Leu Val
 180 185 190
 Leu Lys Ile Gly Asp Phe Gly Leu Ala Arg Ile Val Asp Gln His Tyr
 195 200 205
 Ser His Lys Gly Tyr Leu Ser Glu Gly Leu Val Thr Lys Trp Tyr Arg
 210 215 220
 Ser Pro Arg Leu Leu Leu Ser Pro Asn Asn Tyr Thr Lys Ala Ile Asp
 225 230 235 240
 Met Trp Ala Ala Gly Cys Ile Leu Ala Glu Met Leu Thr Gly Arg Met
 245 250 255
 Leu Phe Ala Gly Ala His Glu Leu Glu Gln Met Gln Leu Ile Leu Glu
 260 265 270
 Thr Ile Pro Val Ile Arg Glu Glu Asp Lys Asp Glu Leu Leu Arg Val
 275 280 285
 Met Pro Ser Phe Val Ser Ser Thr Trp Glu Val Lys Arg Pro Leu Arg
 290 295 300
 Lys Leu Leu Pro Glu Val Asn Ser Glu Ala Ile Asp Phe Leu Glu Lys
 305 310 315 320
 Ile Leu Thr Phe Asn Pro Met Asp Arg Leu Thr Ala Glu Met Gly Leu
 325 330 335
 Gln His Pro Tyr Met Ser Pro Tyr Ser Cys Pro Glu Asp Glu Pro Thr
 340 345 350
 Ser Gln His Pro Phe Arg Ile Glu Asp Glu Ile Asp Asp Ile Val Leu
 355 360 365
 Met Ala Ala Asn Gln Ser Gln Leu Ser Asn Trp Asp Thr Cys Ser Ser
 370 375 380
 Arg Tyr Pro Val Ser Leu Ser Ser Asp Leu Glu Trp Arg Pro Asp Arg
 385 390 395 400
 Cys Gln Asp Ala Ser Glu Val Gln Arg Asp Pro Arg Ala Gly Ser Ala
 405 410 415
 Pro Leu Ala Glu Asn Val Gln Val Asp Pro Arg Lys Asp Ser His Ser
 420 425 430
 Ser Ser Ala Ser Cys Gln Ala Gly Arg Asn Gly Val Ser Arg Tyr Gln
 435 440 445 448

<210> 1390
 <211> 815
 <212>Amino acid
 <213> Homo sapiens

<400> 1390
 Met Arg Thr Leu Gly Thr Cys Leu Ala Thr Leu Ala Gly Leu Leu Leu
 1 5 10 15
 Thr Ala Ala Gly Glu Thr Phe Ser Gly Gly Cys Leu Phe Asp Glu Pro
 20 25 30
 Tyr Ser Thr Cys Gly Tyr Ser Gln Ser Glu Gly Asp Asp Phe Asn Trp
 35 40 45
 Glu Gln Val Asn Thr Leu Thr Lys Pro Thr Ser Asp Pro Trp Met Pro
 50 55 60
 Ser Gly Ser Phe Met Leu Val Asn Ala Ser Gly Arg Pro Glu Gly Gln
 65 70 75 80
 Arg Ala His Leu Leu Leu Pro Gln Leu Lys Glu Asn Asp Thr His Cys
 85 90 95
 Ile Asp Phe His Tyr Phe Val Ser Ser Lys Ser Asn Ser Pro Pro Gly
 100 105 110
 Leu Leu Asn Val Tyr Val Lys Val Asn Asn Gly Pro Leu Gly Asn Pro
 115 120 125
 Ile Trp Asn Ile Ser Gly Asp Pro Thr Arg Thr Trp Asn Arg Ala Glu
 130 135 140
 Leu Ala Ile Ser Thr Phe Trp Pro Asn Phe Tyr Gln Val Ile Phe Glu
 145 150 155 160
 Val Ile Thr Ser Gly His Gln Gly Tyr Leu Ala Ile Asp Glu Val Lys
 165 170 175
 Val Leu Gly His Pro Cys Thr Arg Thr Pro His Phe Leu Arg Ile Gln
 180 185 190
 Asn Val Glu Val Asn Ala Gly Gln Phe Ala Thr Phe Gln Cys Ser Ala
 195 200 205
 Ile Gly Arg Thr Val Ala Gly Asp Arg Leu Trp Leu Gln Gly Ile Asp
 210 215 220
 Val Arg Asp Ala Pro Leu Lys Glu Ile Lys Val Thr Ser Ser Arg Arg
 225 230 235 240
 Phe Ile Ala Ser Phe Asn Val Val Asn Thr Thr Lys Arg Asp Ala Gly
 245 250 255
 Lys Tyr Arg Cys Met Ile Arg Thr Glu Gly Gly Val Gly Ile Ser Asn
 260 265 270
 Tyr Ala Glu Leu Val Val Lys Glu Pro Pro Val Pro Ile Ala Pro Pro
 275 280 285
 Gln Leu Ala Ser Val Gly Ala Thr Tyr Leu Trp Ile Gln Leu Asn Ala
 290 295 300
 Asn Ser Ile Asn Gly Asp Gly Pro Ile Val Ala Arg Glu Val Glu Tyr
 305 310 315 320
 Cys Thr Ala Ser Gly Ser Trp Asn Asp Arg Gln Pro Val Asp Ser Thr
 325 330 335
 Ser Tyr Lys Ile Gly His Leu Asp Pro Asp Thr Glu Tyr Glu Ile Ser
 340 345 350
 Val Leu Leu Thr Arg Pro Gly Glu Gly Gly Thr Gly Ser Pro Gly Pro
 355 360 365
 Ala Leu Arg Thr Arg Thr Lys Cys Ala Asp Pro Met Arg Gly Pro Arg
 370 375 380
 Lys Leu Glu Val Val Glu Val Lys Ser Arg Gln Ile Thr Ile Arg Trp
 385 390 395 400

Glu Pro Phe Gly Tyr Asn Val Thr Arg Cys His Ser Tyr Asn Leu Thr
 405 410 415
 Val His Tyr Cys Tyr Gln Val Gly Gly Gln Glu Gln Val Arg Glu Glu
 420 425 430
 Val Ser Trp Asp Thr Glu Asn Ser His Pro Gln His Thr Ile Thr Asn
 435 440 445
 Leu Ser Pro Tyr Thr Asn Val Ser Val Lys Leu Ile Leu Met Asn Pro
 450 455 460
 Glu Gly Arg Lys Glu Ser Gln Glu Leu Ile Val Gln Thr Asp Glu Asp
 465 470 475 480
 Leu Pro Gly Ala Val Pro Thr Glu Ser Ile Gln Gly Ser Thr Phe Glu
 485 490 495
 Glu Lys Ile Phe Leu Gln Trp Arg Glu Pro Thr Gln Thr Tyr Gly Val
 500 505 510
 Ile Thr Leu Tyr Glu Ile Thr Tyr Lys Ala Val Ser Ser Phe Asp Pro
 515 520 525
 Glu Ile Asp Leu Ser Asn Gln Ser Gly Arg Val Ser Lys Leu Gly Asn
 530 535 540
 Glu Thr His Phe Leu Phe Gly Leu Tyr Pro Gly Thr Thr Tyr Ser
 545 550 555 560
 Phe Thr Ile Arg Ala Ser Thr Ala Lys Gly Phe Gly Pro Pro Ala Thr
 565 570 575
 Asn Gln Phe Thr Thr Lys Ile Ser Ala Pro Ser Met Pro Ala Tyr Glu
 580 585 590
 Leu Glu Thr Pro Leu Asn Gln Thr Asp Asn Thr Val Thr Val Met Leu
 595 600 605
 Lys Pro Ala His Ser Arg Gly Ala Pro Val Ser Val Tyr Gln Ile Val
 610 615 620
 Val Glu Glu Glu Arg Pro Arg Arg Thr Lys Lys Thr Thr Glu Ile Leu
 625 630 635 640
 Lys Cys Tyr Pro Val Pro Ile His Phe Gln Asn Ala Ser Leu Leu Asn
 645 650 655
 Ser Gln Tyr Tyr Phe Ala Ala Glu Phe Pro Ala Asp Ser Leu Gln Ala
 660 665 670
 Ala Gln Pro Phe Thr Ile Gly Asp Asn Lys Thr Tyr Asn Gly Tyr Trp
 675 680 685
 Asn Thr Pro Leu Leu Pro Tyr Lys Ser Tyr Arg Ile Tyr Phe Gln Ala
 690 695 700
 Ala Ser Arg Ala Asn Gly Glu Thr Lys Ile Asp Cys Val Gln Val Ala
 705 710 715 720
 Thr Lys Gly Ala Ala Thr Pro Lys Pro Val Pro Glu Pro Glu Lys Gln
 725 730 735
 Thr Asp His Thr Val Lys Ile Ala Gly Val Ile Ala Gly Ile Leu Leu
 740 745 750
 Phe Val Ile Ile Phe Leu Gly Val Val Leu Val Met Lys Lys Arg Leu
 755 760 765
 Tyr Lys His Gly Ala Ser Ile Cys Ser Ala Ser Gly Glu Ala Ser Gly
 770 775 780
 Ser Phe Gln Ser Trp Arg Lys Ala Lys His Lys Gln Ala Cys Pro Met
 785 790 795 800
 Ala Arg Ala Gly Ala Arg Glu Arg Ala Gly Gly Cys Leu Lys Leu
 805 810 815

<210> 1391
 <211> 142
 <212>Amino acid
 <213> Homo sapiens

Gly Ile Arg Gln Leu Leu Gln Leu Ser Arg Ala Ser Met Ala Ala Arg
 1 5 10 15
 Lys Ser Trp Thr Ala Leu Arg Leu Cys Ala Thr Val Val Val Leu Asp
 20 25 30
 Met Val Val Cys Lys Gly Phe Val Gln Asp Leu Asp Glu Ser Phe Lys
 35 40 45
 Glu Asn Arg Asn Asp Asp Ile Trp Leu Val His Phe Tyr Ala Pro Trp
 50 55 60
 Cys Gly His Cys Lys Lys Leu Glu Pro Ile Trp Asn Glu Ala Gly Leu
 65 70 75 80
 Glu Met Lys Ser Ile Gly Ser Pro Val Lys Ala Gly Lys Met Asp Ala
 85 90 95
 Thr Ser Tyr Ser Ser Ile Ala Ser Glu Phe Gly Val Arg Gly Tyr Pro
 100 105 110
 Thr Ile Lys Leu Ala Leu Ile Arg Pro Leu Pro Ser Gln Gln Met Phe
 115 120 125
 Glu His Met His Lys Arg His Arg Val Phe Phe Val Tyr Val
 130 135 140 142

<210> 1392

<211> 282

<212>Amino acid

<213> Homo sapiens

<400> 1392

Gly Leu Val Ile Val Ile Ser His Phe Ser Pro Ser Pro Gly Leu Leu
 1 5 10 15
 Pro Ala Thr Gln Ser Pro Ala Met Ser Asp Pro Ile Thr Leu Asn Val
 20 25 30
 Gly Gly Lys Leu Tyr Thr Thr Ser Leu Ala Thr Leu Thr Ser Phe Pro
 35 40 45
 Asp Ser Met Leu Gly Ala Met Phe Ser Gly Lys Met Pro Thr Lys Arg
 50 55 60
 Asp Ser Gln Gly Asn Cys Phe Ile Asp Arg Asp Gly Lys Val Phe Arg
 65 70 75 80
 Tyr Ile Leu Asn Phe Leu Arg Thr Ser His Leu Asp Leu Pro Glu Asp
 85 90 95
 Phe Gln Glu Met Gly Leu Leu Arg Arg Glu Ala Asp Phe Tyr Gln Val
 100 105 110
 Gln Pro Leu Ile Glu Ala Leu Gln Glu Lys Glu Val Glu Leu Ser Lys
 115 120 125
 Ala Glu Lys Asn Ala Met Leu Asn Ile Thr Leu Asn Gln Arg Val Gln
 130 135 140
 Thr Val His Phe Thr Val Arg Glu Ala Pro Gln Ile Tyr Ser Leu Ser
 145 150 155 160
 Ser Ser Ser Met Glu Val Phe Asn Ala Asn Ile Phe Ser Thr Ser Cys
 165 170 175
 Leu Phe Leu Lys Leu Leu Gly Ser Lys Leu Phe Tyr Cys Ser Asn Gly
 180 185 190
 Asn Leu Ser Ser Ile Thr Ser His Leu Gln Asp Pro Asn His Leu Thr
 195 200 205
 Leu Asp Trp Val Ala Asn Val Glu Gly Leu Pro Glu Glu Tyr Thr
 210 215 220
 Lys Gln Asn Leu Lys Arg Leu Trp Val Val Pro Ala Asn Lys Gln Ile
 225 230 235 240
 Asn Ser Phe Gln Val Phe Val Glu Glu Val Leu Lys Ile Ala Leu Ser
 245 250 255
 Asp Gly Phe Cys Ile Asp Ser Ser His Pro His Ala Leu Asp Phe Met
 260 265 270

<210> 1393
<211> 308
<212>Amino acid
<213> Homo sapiens

<400> 1393
Ser Cys Ala Asp Asn Leu Val Ala Ala Ser Gly Gly Cys Trp Phe Val
1 5 10 15
Leu Gly Glu Arg Arg Ala Gly Ser Leu Leu Ser Ala Ser Tyr Gly Thr
20 25 30
Phe Ala Met Pro Gly Met Val Leu Phe Gly Arg Arg Trp Ala Ile Ala
35 40 45
Ser Asp Asp Leu Val Phe Pro Gly Phe Phe Glu Leu Val Val Arg Val
50 55 60
Leu Trp Trp Ile Gly Ile Leu Thr Leu Tyr Leu Met His Arg Gly Lys
65 70 75 80
Leu Asp Cys Ala Gly Gly Ala Leu Leu Ser Ser Tyr Leu Ile Val Leu
85 90 95
Met Ile Leu Leu Ala Val Val Ile Cys Thr Val Ser Ala Ile Met Cys
100 105 110
Val Ser Met Arg Gly Thr Ile Cys Asn Pro Gly Pro Arg Lys Ser Met
115 120 125
Ser Lys Leu Leu Tyr Ile Arg Leu Ala Leu Phe Phe Pro Glu Met Val
130 135 140
Trp Ala Ser Leu Gly Ala Ala Trp Val Ala Asp Gly Val Gln Cys Asp
145 150 155 160
Arg Thr Val Val Asn Gly Ile Ile Ala Thr Val Val Val Ser Trp Ile
165 170 175
Ile Ile Ala Ala Thr Val Val Ser Ile Ile Ile Val Phe Asp Pro Leu
180 185 190
Gly Gly Lys Met Ala Pro Tyr Ser Ser Ala Gly Pro Ser His Leu Asp
195 200 205
Ser His Asp Ser Ser Gln Leu Leu Asn Gly Leu Lys Thr Ala Ala Thr
210 215 220
Ser Val Trp Glu Thr Arg Ile Lys Leu Leu Cys Cys Cys Ile Gly Lys
225 230 235 240
Asp Asp His Thr Arg Val Ala Phe Ser Ser Thr Ala Glu Leu Phe Ser
245 250 255
Thr Tyr Phe Ser Asp Thr Asp Leu Val Pro Ser Asp Ile Ala Ala Gly
260 265 270
Leu Ala Leu Leu His Gln Gln Gln Asp Asn Ile Arg Asn Asn Gln Asp
275 280 285
Leu Pro Arg Trp Ser Ala Met Pro Gln Gly Ala Pro Arg Lys Leu Ile
290 295 300
Trp Met Gln Asn
305 308

<210> 1394
<211> 238
<212>Amino acid
<213> Homo sapiens

<400> 1394

Phe	Arg	Ala	Ala	Thr	Ala	Ala	Lys	Asn	Gly	Gly	Gly	Gly	Gly
1					5			10			15		
Arg	Ala	Gly	Ala	Gly	Asp	Ala	Ser	Gly	Thr	Arg	Lys	Lys	Gly
					20			25			30		
Gly	Pro	Leu	Ala	Thr	Ala	Tyr	Leu	Val	Ile	Tyr	Asn	Val	Val
					35			40			45		
Ala	Gly	Trp	Leu	Val	Ile	Ala	Val	Gly	Leu	Val	Arg	Ala	Tyr
					50			55			60		
Lys	Gly	Ser	Tyr	His	Ser	Leu	Tyr	Tyr	Ser	Ile	Glu	Lys	Pro
					65			70			75		80
Phe	Phe	Gln	Thr	Gly	Ala	Leu	Leu	Glu	Ile	Leu	His	Cys	Ala
					85			90			95		
Ile	Val	Pro	Ser	Ser	Val	Val	Leu	Thr	Ser	Phe	Gln	Val	Met
					100			105			110		
Val	Phe	Leu	Ile	Trp	Ala	Val	Thr	His	Ser	Val	Lys	Glu	Val
					115			120			125		
Glu	Asp	Ser	Val	Leu	Phe	Val	Ile	Ala	Trp	Thr	Ile	Thr	Glu
					130			135			140		
Arg	Tyr	Ser	Phe	Tyr	Thr	Phe	Ser	Leu	Leu	Asn	His	Leu	Pro
					145			150			155		160
Ile	Lys	Arg	Ala	Arg	Tyr	Thr	Leu	Phe	Ile	Val	Leu	Tyr	Pro
					165			170			175		
Val	Ser	Gly	Glu	Leu	Leu	Thr	Ile	Tyr	Ala	Ala	Leu	Pro	Phe
					180			185			190		
Gln	Ala	Gly	Leu	Tyr	Ser	Ile	Ser	Leu	Pro	Asn	Ser	Thr	Lys
					195			200			205		
Phe	Leu	Ile	Ser	Gln	Val	Trp	Trp	His	Met	Leu	Ala	Val	Ser
					210			215			220		
Ala	Lys	Ala	Ala	Glu	Met	Pro	Ala	Val	Leu	Lys	Pro	Gly	Pro
					225			230			235		238

<210> 1395

<211> 231

<212>Amino acid

<213> Homo sapiens

<400> 1395

Met	Leu	Thr	Gly	Val	Gly	Cys	Leu	Val	Ser	Ser	Glu	Ser	Leu	Ser	Cys
1					5			10			15				
Val	Gln	Cys	Asn	Ser	Trp	Glu	Lys	Ser	Cys	Val	Asn	Ser	Ile	Ala	Ser
					20			25			30				
Glu	Cys	Pro	Ser	His	Ala	Asn	Thr	Ser	Cys	Ile	Ser	Ser	Ser	Ala	Ser
					35			40			45				
Ser	Ser	Leu	Glu	Thr	Pro	Val	Arg	Leu	Tyr	Gln	Asn	Met	Phe	Cys	Ser
					50			55			60				
Ala	Glu	Asn	Cys	Ser	Glu	Glu	Thr	His	Ile	Thr	Ala	Phe	Thr	Val	His
					65			70			75			80	
Val	Ser	Ala	Glu	Glu	His	Phe	His	Phe	Val	Ser	Gln	Cys	Cys	Glu	Gly
					85			90			95				
Lys	Glu	Cys	Ser	Asn	Thr	Ser	Asp	Ala	Leu	Asp	Pro	Pro	Leu	Lys	Asn
					100			105			110				
Val	Ser	Ser	Asn	Ala	Glu	Cys	Pro	Ala	Cys	Tyr	Glu	Ser	Asn	Gly	Thr
					115			120			125				
Ser	Cys	Arg	Gly	Lys	Pro	Trp	Lys	Cys	Tyr	Glu	Glu	Glu	Gln	Cys	Val
					130			135			140				
Phe	Leu	Val	Ala	Glu	Leu	Lys	Asn	Asp	Ile	Glu	Ser	Lys	Ser	Leu	Val
					145			150			155			160	

Leu Lys Gly Cys Ser Asn Val Ser Asn Ala Thr Cys Gln Phe Leu Ser
 165 170 175
 Gly Glu Asn Lys Thr Leu Gly Gly Val Ile Phe Arg Lys Phe Glu Cys
 180 185 190
 Ala Asn Val Asn Ser Leu Thr Pro Thr Ser Ala Pro Thr Thr Ser His
 195 200 205
 Asn Val Gly Ser Lys Ala Ser Leu Tyr Leu Leu Ala Leu Ala Ser Leu
 210 215 220
 Leu Leu Arg Gly Leu Leu Pro
 225 230 231

<210> 1396
<211> 216
<212>Amino acid
<213> Homo sapiens

<400> 1396
 Val Pro Ala Arg Arg Arg Ala Met Glu Ile Gly Thr Glu Ile Ser Arg
 1 5 10 15
 Lys Ile Arg Ser Ala Ile Lys Gly Lys Leu Gln Glu Leu Gly Ala Tyr
 20 25 30
 Val Asp Glu Glu Leu Pro Asp Tyr Ile Met Val Met Val Ala Asn Lys
 35 40 45
 Lys Ser Gln Asp Gln Met Thr Glu Asp Leu Ser Leu Phe Leu Gly Asn
 50 55 60
 Asn Thr Ile Arg Phe Thr Val Trp Leu His Gly Val Leu Asp Lys Leu
 65 70 75 80
 Arg Ser Val Thr Thr Glu Pro Ser Ser Leu Lys Ser Ser Asp Thr Asn
 85 90 95
 Ile Phe Asp Ser Asn Val Pro Ser Asn Lys Ser Asn Phe Ser Arg Gly
 100 105 110
 Asp Glu Arg Arg His Glu Ala Ala Val Pro Pro Leu Ala Ile Pro Ser
 115 120 125
 Ala Arg Pro Glu Lys Arg Asp Ser Arg Val Ser Thr Ser Ser Gln Glu
 130 135 140
 Ser Lys Thr Thr Asn Val Arg Gln Thr Tyr Asp Asp Gly Ala Ala Thr
 145 150 155 160
 Arg Leu Met Ser Thr Val Lys Pro Leu Arg Glu Pro Ala Pro Ser Glu
 165 170 175
 Asp Val Ile Asp Ile Lys Pro Glu Pro Asp Asp Leu Ile Asp Glu Asp
 180 185 190
 Leu Asn Phe Val Gln Glu Lys Pro Leu Ser Gln Lys Lys Pro Thr Val
 195 200 205
 Thr Leu Thr Tyr Gly Ser Ser Arg
 210 215 216

<210> 1397
<211> 135
<212>Amino acid
<213> Homo sapiens

<400> 1397
 Ala Ser Arg Val Leu Ala Ala Val Met Gly Leu Pro Trp Gly Gln Pro
 1 5 10 15

His Leu Gly Leu Gln Met Leu Leu Leu Ala Leu Asn Trp Leu Arg Pro
 20 25 30
 Ser Leu Ser Leu Glu Leu Val Pro Tyr Thr Pro Gln Ile Thr Ala Trp
 35 40 45
 Asp Leu Glu Gly Lys Val Thr Ala Thr Thr Phe Ser Leu Glu Gln Pro
 50 55 60
 Arg Cys Val Phe Asp Gly Leu Ala Ser Ala Ser Asp Thr Val Trp Leu
 65 70 75 80
 Val Val Ala Phe Ser Asn Ala Ser Arg Gly Phe Gln Asn Pro Glu Thr
 85 90 95
 Leu Ala Asp Ile Pro Ala Ser Pro Gln Leu Leu Thr Asp Gly His Tyr
 100 105 110
 Met Thr Leu Pro Leu Ser Pro Asp Gln Leu Pro Cys Gly Asp Pro Met
 115 120 125
 Ala Gly Ser Gly Ser Ala Pro
 130 135

<210> 1398
 <211> 41
 <212>Amino acid
 <213> Homo sapiens

<400> 1398
 Asn Ser Leu Asn Asn Phe Phe Glu Thr Glu Ser Cys Cys Val Ala
 1 5 10 15
 Gln Ala Gly Val Gln Trp Arg Asp Leu Gly Ser Leu Gln Ala Pro Pro
 20 25 30
 Pro Gly Phe Lys Arg Phe Ser Cys Leu
 35 40 41

<210> 1399
 <211> 151
 <212>Amino acid
 <213> Homo sapiens

<400> 1399
 Lys Ser Leu Pro Leu Gln Lys His Pro Lys Pro Ser Cys Gln Glu Asp
 1 5 10 15
 Gln Gly Leu Gly Arg Gly Ser Leu Ser Gly His Ser Pro Leu Thr Leu
 20 25 30
 Leu Thr Phe Leu Thr Ser Cys Ala Leu Gly Asp Gln Gln Leu Leu Pro
 35 40 45
 Pro Arg Thr Ser Gly Ser Leu Cys Gln Glu Ser Met Ser Glu Gln Ser
 50 55 60
 Cys Gln Met Ser Glu Leu Arg Leu Leu Leu Gly Lys Cys Arg Ser
 65 70 75 80
 Gly Lys Ser Ala Thr Gly Asn Ala Ile Leu Gly Lys His Val Phe Lys
 85 90 95
 Ser Lys Phe Ser Asp Gln Thr Val Ile Lys Met Cys Gln Arg Glu Ser
 100 105 110
 Trp Val Leu Arg Glu Arg Lys Val Val Val Ile Asp Thr Pro Asp Leu
 115 120 125
 Phe Ser Ser Ile Ala Cys Ala Glu Asp Lys Gln Arg Asn Ile Gln His
 130 135 140

Leu Leu Glu Leu Ser Ala Pro
145 150 151

<210> 1400
<211> 324
<212>Amino acid
<213> Homo sapiens

<400> 1400
 Phe Val Glu Thr Thr Val Ser Val Gln Ser Ala Glu Ser Ser Asp Ala
 1 5 10 15
 Leu Ser Trp Ser Arg Leu Pro Arg Ala Leu Ala Ser Val Gly Pro Glu
 20 25 30
 Glu Ala Arg Ser Gly Ala Pro Val Gly Gly Arg Trp Gln Leu Ser
 35 40 45
 Asp Arg Val Glu Gly Gly Ser Pro Thr Leu Gly Leu Leu Gly Gly Ser
 50 55 60
 Pro Ser Ala Gln Pro Gly Thr Gly Asn Val Glu Ala Gly Ile Pro Ser
 65 70 75 80
 Gly Arg Met Leu Glu Pro Leu Pro Cys Trp Asp Ala Ala Lys Asp Leu
 85 90 95
 Lys Glu Pro Gln Cys Pro Pro Gly Asp Arg Val Gly Val Gln Pro Gly
 100 105 110
 Asn Ser Arg Val Trp Gln Gly Thr Met Glu Lys Ala Gly Leu Ala Trp
 115 120 125
 Thr Arg Gly Thr Gly Val Gln Ser Glu Gly Thr Trp Glu Ser Gln Arg
 130 135 140
 Gln Asp Ser Asp Ala Leu Pro Ser Pro Glu Leu Leu Pro Gln Asp Gln
 145 150 155 160
 Asp Lys Pro Phe Leu Arg Lys Ala Cys Ser Pro Ser Asn Ile Pro Ala
 165 170 175
 Val Ile Ile Thr Asp Met Gly Thr Gln Glu Asp Gly Ala Leu Glu Glu
 180 185 190
 Thr Gln Gly Ser Pro Arg Gly Asn Leu Pro Leu Arg Lys Leu Ser Ser
 195 200 205
 Ser Ser Ala Ser Ser Thr Gly Phe Ser Ser Ser Tyr Glu Asp Ser Glu
 210 215 220
 Glu Asp Ile Ser Ser Asp Pro Glu Arg Thr Leu Asp Pro Asn Ser Ala
 225 230 235 240
 Phe Leu His Thr Leu Asp Gln Gln Lys Pro Arg Val Val Glu Ser Arg
 245 250 255
 Ser Val Thr Gln Ala Gly Val Gln Trp His Asp Ile Gly Ser Leu Gln
 260 265 270
 Pro Leu Pro Pro Trp Ile Gln Ala Ile Leu His Ala Ser Ala Phe Arg
 275 280 285
 Ile Ala Gly Thr Thr Gly Ala Cys His His Ala Arg Ile Ile Phe Gly
 290 295 300
 Phe Leu Val Glu Arg Gly Phe His His Val Gly Gln Asp Gly Leu Tyr
 305 310 315 320
 Leu Leu Ile Leu
 324

<210> 1401
<211> 76
<212>Amino acid
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(76)
<223> X = any amino acid or stop code

<400> 1401
Lys Ile Cys Ser Ser Tyr Phe Leu Arg Ile Ile Cys Ile Leu Gln Lys
1 5 10 15
Glu Ala Gln Glu Ala Ser Asn Leu Tyr Thr Ser Cys Asp Phe Phe Ser
20 25 30
Pro Ala Phe Tyr Phe Val Ile Tyr Arg Leu Tyr Asn Phe Lys Ile His
35 40 45
Trp Pro Gly Ala Val Ala His Thr Tyr Ser Pro Ser Thr Leu Gly Gly
50 55 60
Arg Gly Arg Trp Val Thr Xaa Gly Arg Glu Phe Met
65 70 75 76

<210> 1402
<211> 102
<212>Amino acid
<213> Homo sapiens

<400> 1402
Leu Ile Leu Ser Leu Pro Leu Leu Tyr Gly His Leu Lys Ser Tyr Thr
1 5 10 15
Phe Pro Ser Glu His Tyr Leu His Leu Leu Gln Thr Phe Ala Thr Phe
20 25 30
Asn Lys Tyr Leu Asn Val Cys Val Leu Ile Phe Ile His His Lys Pro
35 40 45
Val Val Pro Ala Ile Gln Gly Thr Asn Val Gly Gly Ser Leu Glu Pro
50 55 60
Arg Arg Leu Arg Leu Gln Gln Ala Met Ile Val Pro Leu His Phe Gly
65 70 75 80
Leu Gly Asn Arg Val Arg Pro Cys Leu Lys Lys Gln Gln Gln Gln
85 90 95
Gln Gln Gln Lys Lys
100 102

<210> 1403
<211> 124
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(124)
<223> X = any amino acid or stop code

<400> 1403
Arg Met Glu Thr Lys Pro Val Ile Thr Cys Leu Lys Thr Leu Leu Ile
1 5 10 15

Ile Tyr Ser Phe Val Phe Trp Ile Thr Gly Val Ile Leu Leu Ala Ala
 20 25 30
 Gly Val Trp Gly Lys Leu Thr Leu Gly Ser Tyr Ile Ser Leu Ile Ala
 35 40 45
 Glu Asn Ser Thr Tyr Ala Pro Tyr Val Leu Ile Val Thr Gly Thr Thr
 50 55 60
 Ile Val Ala Tyr Pro Leu Val Xaa Phe Phe Phe Ser Tyr Ser Ser Gly
 65 70 75 80
 Phe Ser Tyr Ile Leu Ala Val Arg Leu Ile Ala Gly Ile Ala Leu Val
 85 90 95
 Tyr Asn Tyr Ile Pro Arg Ser Ser Arg Ala Leu Val Arg Leu Val
 100 105 110
 Val Leu Leu Arg Phe Leu Leu Ser Arg His Pro Ser
 115 120 124

<210> 1404
<211> 136
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(136)
<223> X = any amino acid or stop code

<400> 1404
 Asn Ala Glu His Pro Gly Met Asp Arg His Asp Leu Cys Gln Lys Ala
 1 5 10 15
 Lys Leu Ala Glu His Ala Glu Arg Asp Asp Asp Met Ala Ala Cys Met
 20 25 30
 Lys Thr Val Thr Asp Gln Gly Ala Glu Leu Ser Asn Glu Glu Arg Asn
 35 40 45
 Leu Leu Ser Asp Ala His Thr Asn Ala Val Xaa Ala Arg Arg Ser Ser
 50 55 60
 Trp Met Gly Ala Xaa Arg Ile Glu Gln Lys Thr Glu Gly Ala Asp Thr
 65 70 75 80
 Gln Gln Gln Met Ala Pro Asp Cys Arg Glu Ile Phe Ala Thr Glu Leu
 85 90 95
 Arg Asp Ile Cys Asp Asp Val Leu Ser Leu Leu Glu Lys Leu Leu Ile
 100 105 110
 Pro Asn Ala Ser His Ala Xaa Ser Leu Val Tyr Tyr Leu His Met Ile
 115 120 125
 Gly Asp Tyr Tyr Arg Tyr Trp Leu
 130 135 136

<210> 1405
<211> 110
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(110)
<223> X = any amino acid or stop code

MISSING AT THE TIME OF PUBLICATION

Gly Asn Asp Tyr Ser Leu Gly Leu Thr Pro Thr Gly Val Leu Val Phe
 85 90 95
 Glu Gly Asp Thr Lys Ile Gly Leu Phe Phe Trp Pro Lys Ile Thr Arg
 100 105 110
 Leu Asp Phe Lys Lys Asn Lys Leu Thr Leu Val Val Val Glu Asp Asp
 115 120 125
 Asp Gln Gly Lys Glu Gln Glu His Thr Phe Val Phe Arg Leu Asp His
 130 135 140
 Pro Lys Ala Cys Lys His Leu Trp Lys Cys Ala Val Glu His His Ala
 145 150 155 160
 Phe Phe Arg Leu Arg Gly Pro Val Gln Lys Ser Ser His Arg Ser Gly
 165 170 175
 Phe Ile Arg Leu Gly Ser Arg Phe Arg Tyr Ser Gly Lys Thr Glu Tyr
 180 185 190
 Gln Thr Thr Lys Thr Asn Lys Ala Arg Arg Ser Thr Ser Phe Glu Arg
 195 200 205
 Arg Pro Ser Lys Arg Tyr Ser Arg Arg Thr Leu Gln Met Lys Ala Cys
 210 215 220
 Ala Thr Lys Pro Glu Glu Leu Ser Val His Asn Asn Val Ser Thr Gln
 225 230 235 240
 Ser Asn Gly Ser Gln Gln Ala Trp Gly Met Arg Ser Ala Leu Pro Val
 245 250 255
 Ser Pro Ser Ile Ser Ser Ala Pro Val Pro Val Glu Ile Glu Asn Leu
 260 265 270
 Pro Gln Ser Pro Gly Thr Asp Gln His Asp Arg Lys Trp Leu Ser Ala
 275 280 285
 Ala Ser Asp Cys Cys Gln Arg Gly Gly Asn Gln Trp Asn Thr Arg Ala
 290 295 300
 Leu
 305

<210> 1408
<211> 92
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(92)
<223> X = any amino acid or stop code

<400> 1408
 Ala Thr Ala Pro Gly Leu Phe Asn Phe Phe Xaa Phe Leu Phe Gln Cys
 1 5 10 15
 Arg Glu Glu His Lys Lys Lys Asn Pro Glu Val Pro Val Asn Phe Ala
 20 25 30
 Glu Phe Ser Lys Lys Cys Ser Gly Arg Trp Lys Thr Met Ser Ser Lys
 35 40 45
 Glu Lys Phe Lys Phe Gly Glu Met Ala Lys Ala Asp Glu Val Cys Tyr
 50 55 60
 Asp Arg Glu Met Lys Asp Tyr Gly Pro Ala Lys Gly Gly Lys Lys Lys
 65 70 75 80
 Asp Pro Asn Ala Pro Lys Arg Pro Pro Ser Gly Phe
 85 90 92

<210> 1409
<211> 169
<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(169)

<223> X = any amino acid or stop code

<400> 1409

Ala	Glu	Gly	Leu	Gly	Ser	Trp	Ala	Val	Trp	Ala	Gly	Leu	Gly	Trp	Ala
1			5					10				15			
Gly	Arg	His	Met	Glu	Ala	Gly	Gly	Ala	Thr	Gly	Ala	Leu	Gly	Val	Gly
				20				25				30			
Ser	Lys	Leu	Pro	Ser	Ala	Phe	Cys	Phe	Pro	Gly	Ser	Ser	Val	Ala	Met
				35			40				45				
Asp	Met	Phe	Gln	Lys	Val	Glu	Lys	Ile	Gly	Glu	Gly	Thr	Tyr	Gly	Val
				50			55			60					
Val	Tyr	Lys	Ala	Lys	Asn	Arg	Glu	Thr	Gly	Gln	Leu	Val	Ala	Leu	Lys
				65			70			75				80	
Lys	Ile	Arg	Leu	Asp	Leu	Xaa	Val	Leu	Gly	Arg	Pro	Leu	Ser	Tyr	Pro
				85			90			95					
Pro	Trp	Ala	Ile	Thr	Thr	Trp	Ala	Leu	Pro	Asp	Pro	Phe	Pro	Leu	Ser
				100			105			110					
Trp	Ser	Pro	Arg	Leu	Thr	Pro	Leu	Gly	Ala	Ala	Gln	Gln	Pro	Leu	Pro
				115			120			125					
Val	Leu	Ser	Pro	Val	His	Cys	Leu	Leu	Thr	Ser	Leu	Cys	Arg	Gly	Pro
				130			135			140					
Asp	Cys	Gly	Val	Trp	Trp	Met	Thr	Cys	Gln	Gly	Ala	Gln	Val	Ser	Ile
				145			150			155			160		
Ala	Gly	Ala	Leu	Val	Ile	Leu	Trp	Gly							
				165			169								

<210> 1410

<211> 146

<212>Amino acid

<213> Homo sapiens

<400> 1410

Leu	Cys	Val	Ser	Val	Leu	Cys	Ser	Phe	Ser	Tyr	Leu	Gln	Asn	Gly	Trp
1					5				10			15			
Thr	Ala	Ser	Asp	Pro	Val	His	Gly	Tyr	Trp	Phe	Arg	Ala	Gly	Asp	His
					20			25			30				
Val	Ser	Arg	Asn	Ile	Pro	Val	Ala	Thr	Asn	Asn	Pro	Val	Arg	Ala	Val
					35			40			45				
Gln	Glu	Glu	Thr	Arg	Asp	Arg	Phe	His	Leu	Leu	Gly	Asp	Pro	Gln	Asn
					50			55			60				
Lys	Asp	Cys	Thr	Leu	Ser	Ile	Arg	Asp	Thr	Arg	Glu	Ser	Asp	Ala	Gly
					65			70			75			80	
Thr	Tyr	Val	Phe	Cys	Val	Glu	Arg	Gly	Asn	Met	Lys	Trp	Asn	Tyr	Lys
					85			90			95				
Tyr	Asp	Gln	Leu	Ser	Val	Asn	Val	Thr	Ala	Ser	Gln	Asp	Leu	Leu	Ser
					100			105			110				
Arg	Tyr	Arg	Leu	Glu	Val	Pro	Glu	Ser	Val	Thr	Val	Gln	Glu	Gly	Leu
					115			120			125				
Cys	Val	Ser	Val	Pro	Trp	Gln	Cys	Pro	Leu	Pro	Pro	Leu	Gln	Leu	Asp
					130			135			140				

Cys Leu
145 146

```
<210> 1411
<211> 250
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(250)
<223> X = any amino acid or stop code
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<400> 1411
 Gln Leu Gln Leu Cys Gln Asn Cys Thr Lys Arg Gly Glu Cys His Cys
 1 5 10 15
 Val Pro Phe Asp Thr Tyr Ile Lys Thr Lys Lys Glu Lys Lys Arg Leu
 20 25 30
 Ser Val Leu Pro Pro Thr Arg Leu Met Glu Ala Arg Phe Ser Pro Ile
 35 40 45
 Asn Gln Ile Leu Pro Trp Cys Arg Gln Asp Leu Ala Ile Ser Ile Ser
 50 55 60
 Lys Ala Ile Asn Thr Gln Glu Ala Pro Val Lys Glu Lys His Ala Arg
 65 70 75 80
 Arg Ile Ile Leu Gly Thr His His Glu Lys Gly Ala Phe Thr Phe Trp
 85 90 95
 Ser Tyr Ala Ile Gly Leu Pro Leu Pro Ser Ser Ser Ile Leu Ser Trp
 100 105 110
 Lys Phe Cys His Val Leu His Lys Val Leu Arg Asp Gly His Pro Asn
 115 120 125
 Val Leu His Asp Cys Gln Arg Tyr Arg Ser Asn Ile Arg Glu Ile Gly
 130 135 140
 Asp Leu Trp Gly His Leu His Asp Arg Tyr Gly Gln Leu Val Asn Val
 145 150 155 160
 Tyr Thr Lys Leu Leu Leu Thr Lys Ile Ser Phe His Leu Lys His Pro
 165 170 175
 Gln Phe Pro Ala Gly Leu Glu Val Thr Asp Glu Val Leu Glu Lys Ala
 180 185 190
 Ala Gly Thr Asp Val Asn Asn Met Xaa Val Thr Leu His Gly Tyr Met
 195 200 205
 Ala Ser Ser Pro Arg Leu Pro His Ser Phe Leu Pro Arg Leu Thr Pro
 210 215 220
 Arg Arg Pro His Gly Ala Val Gly Leu Asn Glu Ser Val Ala Leu Leu
 225 230 235 240
 Val Asp Ala His Ala Pro Arg Asp Arg Gly
 245 250

```
<210> 1412
<211> 169
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(169)
<223> X = any amino acid or stop code
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<400> 1412

Ala Ala Pro His Arg Met Pro Arg Ala Pro His Phe Met Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Leu Leu Leu Ser Leu Pro His Thr Gln Ala Ala Phe Pro
 20 25 30
 Gln Asp Pro Leu Pro Leu Leu Ile Ser Asp Leu Gln Gly Thr Ser Pro
 35 40 45
 Leu Ser Trp Leu Pro Ser Leu Glu Asp Asp Ala Val Ala Ala Xaa Leu
 50 55 60
 Gly Leu Asp Phe Gln Arg Phe Leu Thr Leu Asn Arg Thr Leu Leu Val
 65 70 75 80
 Ala Ala Arg Asp His Val Phe Ser Phe Asp Leu Gln Ala Glu Glu Glu
 85 90 95
 Gly Glu Gly Leu Val Pro Asn Lys Tyr Leu Thr Trp Arg Ser Gln Asp
 100 105 110
 Val Glu Asn Cys Ala Val Arg Xaa Lys Leu Thr Leu Asn Arg Thr Leu
 115 120 125
 Leu Val Ala Ala Arg Asp His Val Phe Ser Phe Asp Leu Gln Ala Glu
 130 135 140
 Glu Glu Gly Glu Gly Leu Val Pro Asn Lys Tyr Leu Thr Trp Arg Ser
 145 150 155 160
 Gln Asp Val Glu Asn Cys Ala Val Arg
 165 169

<210> 1413
<211> 131
<212> Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(131)
<223> X = any amino acid or stop code

<400> 1413

His Leu Val Pro Lys Thr Arg Gly Arg Gly Thr Pro Ser Gly Asp Gln
 1 5 10 15
 Ser Pro Val Leu Thr Leu Thr Pro Xaa Gly Asp Pro Pro Thr Ile Leu
 20 25 30
 Gly Pro Gln Thr Asn Gln Pro Lys Glu His Leu Thr Asn Phe Lys Ser
 35 40 45
 Gly Lys Arg Ser Phe His Ser Leu Leu Gln Pro Leu Leu Leu Leu
 50 55 60
 His Pro Ser Ile Ser Pro Phe Leu Asn Phe Gly Ser Phe Pro Phe Leu
 65 70 75 80
 Val Glu Thr Glu Glu Thr Cys Phe Ile His Lys Leu Lys Thr Pro Ala
 85 90 95
 Leu Val Thr Pro Asp Ser Leu Pro Leu Val Phe Asn His Cys Gly Asp
 100 105 110
 Ala Cys Leu Ile Ile His Pro His Phe Arg Asp Val Glu Phe His His
 115 120 125
 Thr Gly Asn
 130 131

<210> 1414

<211> 365
 <212>Amino acid
 <213> Homo sapiens

<400> 1414

Cys	Cys	Ser	Thr	Lys	Asn	Ile	Ser	Gly	Asp	Lys	Ala	Cys	Asn	Leu	Met
1				5					10						15
Ile	Phe	Asp	Thr	Arg	Lys	Thr	Ala	Arg	Gln	Pro	Asn	Cys	Tyr	Leu	Phe
			20					25						30	
Phe	Cys	Pro	Asn	Glu	Glu	Ala	Cys	Pro	Leu	Lys	Pro	Ala	Lys	Gly	Leu
			35					40						45	
Met	Ser	Tyr	Arg	Ile	Ile	Thr	Asp	Phe	Pro	Ser	Leu	Thr	Arg	Asn	Leu
			50					55						60	
Pro	Ser	Gln	Glu	Leu	Pro	Gln	Glu	Asp	Ser	Leu	Leu	His	Gly	Gln	Phe
			65					70						80	
Ser	Gln	Ala	Val	Thr	Pro	Leu	Ala	His	His	His	Thr	Asp	Tyr	Ser	Lys
				85					90					95	
Pro	Thr	Asp	Ile	Ser	Trp	Arg	Asp	Thr	Leu	Ser	Gln	Lys	Phe	Gly	Ser
			100					105						110	
Ser	Asp	His	Leu	Glu	Lys	Leu	Phe	Lys	Met	Asp	Glu	Ala	Ser	Ala	Gln
			115					120						125	
Leu	Leu	Ala	Tyr	Lys	Glu	Lys	Gly	His	Ser	Gln	Ser	Ser	Gln	Phe	Ser
			130					135						140	
Ser	Asp	Gln	Glu	Ile	Ala	His	Leu	Leu	Pro	Glu	Asn	Val	Ser	Ala	Leu
			145					150						160	
Pro	Ala	Thr	Val	Ala	Val	Ala	Ser	Pro	His	Thr	Thr	Ser	Ala	Thr	Pro
			165					170						175	
Lys	Pro	Ala	Thr	Leu	Leu	Pro	Thr	Asn	Ala	Ser	Val	Thr	Pro	Ser	Gly
			180					185						190	
Thr	Ser	Gln	Pro	Gln	Leu	Ala	Thr	Thr	Ala	Pro	Pro	Val	Thr	Thr	Val
			195					200						205	
Thr	Ser	Gln	Pro	Pro	Thr	Thr	Leu	Ile	Ser	Thr	Val	Phe	Thr	Arg	Ala
			210					215						220	
Ala	Ala	Thr	Leu	Gln	Ala	Met	Ala	Thr	Thr	Ala	Val	Leu	Thr	Thr	Thr
			225					230						240	
Phe	Gln	Ala	Pro	Thr	Asp	Ser	Lys	Gly	Ser	Leu	Glu	Thr	Ile	Pro	Phe
			245					250						255	
Thr	Glu	Ile	Ser	Asn	Leu	Thr	Leu	Asn	Thr	Gly	Asn	Val	Tyr	Asn	Pro
			260					265						270	
Thr	Ala	Leu	Ser	Met	Ser	Asn	Val	Glu	Ser	Ser	Thr	Met	Asn	Lys	Thr
			275					280						285	
Ala	Ser	Trp	Glu	Gly	Arg	Glu	Ala	Ser	Pro	Gly	Ser	Ser	Ser	Gln	Gly
			290					295						300	
Ser	Val	Pro	Glu	Asn	Gln	Tyr	Gly	Leu	Pro	Phe	Glu	Lys	Trp	Leu	Leu
			305					310						320	
Ile	Gly	Ser	Leu	Leu	Phe	Gly	Val	Leu	Phe	Leu	Val	Ile	Gly	Leu	Val
			325					330						335	
Leu	Leu	Gly	Arg	Ile	Leu	Ser	Glu	Ser	Leu	Arg	Arg	Lys	Arg	Tyr	Ser
			340					345						350	
Arg	Leu	Asp	Tyr	Leu	Ile	Asn	Gly	Ile	Tyr	Val	Asp	Ile			
			355					360						365	

<210> 1415
 <211> 148
 <212>Amino acid
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(148)
 <223> X = any amino acid or stop code

<400> 1415
 Ile Phe Ala Gly Ser Gly Val Met Arg Leu Lys Ile Ser Leu Leu Lys
 1 5 10 15
 Glu Pro Lys His Gln Glu Leu Val Ser Cys Val Gly Trp Thr Thr Ala
 20 25 30
 Glu Glu Leu Tyr Ser Cys Ser Asp Asp His His Ile Val Lys Trp Asn
 35 40 45
 Leu Leu Thr Ser Glu Thr Thr Gln Ile Val Lys Leu Pro Asp Asp Ile
 50 55 60
 Tyr Pro Ile Asp Phe His Trp Phe Pro Lys Ser Leu Gly Val Lys Lys
 65 70 75 80
 Gln Thr His Ala Glu Ser Phe Val Leu Thr Ser Ser Asp Gly Lys Phe
 85 90 95
 His Leu Ile Ser Lys Leu Gly Arg Val Glu Lys Ser Val Glu Ala His
 100 105 110
 Cys Gly Ala Val Leu Ala Gly Arg Trp Asn Tyr Glu Gly Thr Ala Leu
 115 120 125
 Val Thr Val Gly Glu Asp Gly Gln Ile Xaa Ile Trp Ser Lys Thr Gly
 130 135 140
 Met Leu Ile Ser
 145 148

<210> 1416
 <211> 122
 <212> Amino acid
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(122)
 <223> X = any amino acid or stop code

<400> 1416
 Ala Arg Ala Thr Thr Lys Arg His Phe Ile Leu Leu Phe Leu Phe Phe
 1 5 10 15
 Leu Arg Arg Cys Leu Phe Leu Ser Pro Arg Met Glu Cys Asn Gly Ala
 20 25 30
 Ile Leu Ala His Cys Asn Leu His Leu Pro Gly Ser Ser Ser Ser
 35 40 45
 Ala Ser Ala Ser Xaa Val Ala Gly Ile Thr Asp Val Arg His His Ala
 50 55 60
 Gln Leu Ile Leu Phe Val Phe Leu Val Glu Thr Gly Phe His Arg Val
 65 70 75 80
 Gly Gln Ala Gly Leu Lys Leu Leu Thr Ser Gly Asp Leu Leu Thr Ser
 85 90 95
 Ala Ser Gln Ser Ala Gly Ile Ile Met Gly Ile Ser His Cys Ala Gln
 100 105 110
 Pro Lys Lys Ala Phe Xaa Thr Lys Thr Phe
 115 120 122

<210> 1417

<211> 138
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(138)
 <223> X = any amino acid or stop code

<400> 1417
 Glu Ala Gly Ser Asn Asp Asp Leu Ala Thr Xaa Lys Thr Cys Gly Arg
 1 5 10 15
 Ala Arg Pro Ser Ser Arg Ser Arg Gln Phe Gly Ser Arg Val Trp Asn
 20 25 30
 His Arg Gln Gly Val Arg Ser Ser Pro Gly Glu Gly Ala Gly Ser Arg
 35 40 45
 Ser Pro Cys Arg Arg Arg His Arg Arg Lys His Arg Arg Asn Val Gln
 50 55 60
 Ser Pro Xaa Arg Arg Arg Ser Arg Ser Cys Ser Arg Arg Ser Gly Arg
 65 70 75 80
 Cys Ser Val Ala Leu Leu Gly Ala Cys Pro Val Ala Gly His Ser Arg
 85 90 95
 Gly Lys Val Val Cys Arg Arg Ala His Ala Ile Thr Gln Arg Arg Arg
 100 105 110
 Cys Cys Gly Phe Asp Pro Met Val His Pro Lys Glu His Arg Gly Xaa
 115 120 125
 Arg Glu Arg Ser Arg Lys Trp Ser Arg Ser
 130 135 138

<210> 1418
 <211> 92
 <212>Amino acid
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(92)
 <223> X = any amino acid or stop code

<400> 1418
 Ala Thr Ala Pro Gly Leu Phe Asn Phe Phe Xaa Phe Leu Phe Gln Cys
 1 5 10 15
 Arg Glu Glu His Lys Lys Lys Asn Pro Glu Val Pro Val Asn Phe Ala
 20 25 30
 Glu Phe Ser Lys Lys Cys Ser Gly Arg Trp Lys Thr Met Ser Ser Lys
 35 40 45
 Glu Lys Phe Lys Phe Gly Glu Met Ala Lys Ala Asp Glu Val Cys Tyr
 50 55 60
 Asp Arg Glu Met Lys Asp Tyr Gly Pro Ala Lys Gly Gly Lys Lys Lys
 65 70 75 80
 Asp Pro Asn Ala Pro Lys Arg Pro Pro Ser Gly Phe
 85 90 92

<210> 1419

<211> 44
<212>Amino acid
<213> Homo sapiens

<400> 1419
Leu Thr Val Asn Tyr Val Leu Val Phe Ser Arg Asp Ser Gly Leu Arg
1 5 10 15
Ala Ile Glu Asn Leu Met Gln Lys Lys Gly Lys Phe Asp Tyr Ile Leu
20 25 30
Leu Glu Thr Thr Gly Leu Ala Asp Pro Gly Lys Lys
35 40 44

<210> 1420
<211> 91
<212>Amino acid
<213> Homo sapiens

<400> 1420
His Glu Ala Ala Leu Cys Arg Thr Arg Ala Val Ala Ala Glu Arg His
1 5 10 15
Phe Leu Arg Val Phe Leu Phe Phe Arg Pro Phe Arg Gly Val Gly Thr
20 25 30
Glu Ser Gly Ser Glu Ser Gly Ser Ser Lys Ala Lys Glu Pro Arg Thr
35 40 45
Pro Ser Ser Ser Tyr Gly Thr Ala Gln Tyr Arg Arg Trp Pro Ile Ala
50 55 60
Gln Glu Tyr Lys His Cys Thr Ala His Asn Asp Thr Gly Thr Leu Cys
65 70 75 80
Ser Glu Leu Arg Glu Pro Trp Arg Arg Pro Gln
85 90 91

<210> 1421
<211> 190
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(190)
<223> X = any amino acid or stop code

<400> 1421
Glu Gly Ser Ser Gln Ala Asn Thr Leu Arg Ser Arg Lys Glu Asn Arg
1 5 10 15
Asn Asn Leu Leu Ala Cys Leu Glu Ser His Val Leu Arg Xaa Gln Phe
20 25 30
Thr Glu Ser His Leu Cys Ser Leu Met Gly Asp Asn Pro Phe Gln Pro
35 40 45
Lys Ser Asn Ser Lys Met Ala Glu Leu Phe Met Glu Cys Glu Glu Glu
50 55 60

Glu	Leu	Glu	Pro	Trp	Gln	Lys	Val	Lys	Glu	Val	Glu	Asp	Asp	Asp	
65					70			75			80				
Asp	Asp	Glu	Pro	Ile	Phe	Val	Gly	Glu	Ile	Ser	Ser	Ser	Lys	Pro	Ala
					85			90			95				
Ile	Ser	Asn	Ile	Leu	Asn	Arg	Val	Asn	Pro	Ser	Ser	Tyr	Ser	Arg	Gly
					100			105			110				
Leu	Lys	Asn	Gly	Ala	Leu	Ser	Arg	Gly	Ile	Thr	Ala	Ala	Phe	Lys	Pro
					115			120			125				
Thr	Ser	Gln	His	Tyr	Thr	Asn	Pro	Thr	Ser	Asn	Pro	Val	Pro	Ala	Ser
					130			135			140				
Pro	Ile	Asn	Phe	His	Pro	Glu	Ser	Arg	Ser	Ser	Asp	Ser	Ser	Val	Ile
					145			150			155			160	
Gly	Gln	Pro	Phe	Ser	Lys	Pro	Val	Ser	Val	Ser	Lys	Thr	Ile	Arg	Pro
					165			170			175				
Ala	Gln	Gly	Ser	Ile	Gly	Cys	Cys	Leu	Ser	Ile	Ser	Thr	Val		
					180			185			190				

<210> 1422

<211> 207

<212>Amino acid

<213> Homo sapiens

<400> 1422

Cys	Phe	Ser	Leu	Glu	Asp	Ile	Leu	Asn	Phe	Phe	Leu	Gln	Gly	Phe	Ser
1						5			10			15			
Ala	Gly	Leu	Phe	Ala	Phe	Tyr	His	Asp	Lys	Asp	Gly	Asn	Pro	Leu	Thr
						20			25			30			
Ser	Arg	Phe	Ala	Asp	Gly	Leu	Pro	Pro	Phe	Asn	Tyr	Ser	Leu	Gly	Leu
						35			40			45			
Tyr	Gln	Trp	Ser	Asp	Lys	Val	Val	Arg	Lys	Val	Glu	Arg	Leu	Trp	Asp
						50			55			60			
Val	Arg	Asp	Asn	Lys	Ile	Val	Arg	His	Thr	Val	Tyr	Leu	Leu	Val	Thr
						65			70			75			80
Pro	Arg	Val	Val	Glu	Ala	Arg	Lys	His	Phe	Asp	Cys	Pro	Val	Leu	
						85			90			95			
Glu	Gly	Met	Glu	Glu	Asn	Gln	Gly	Gly	Val	Gly	Thr	Glu	Leu	Asn	
						100			105			110			
His	Trp	Glu	Lys	Arg	Leu	Leu	Glu	Asn	Glu	Ala	Met	Thr	Gly	Ser	His
						115			120			125			
Thr	Gln	Asn	Arg	Val	Leu	Ser	Arg	Ile	Thr	Leu	Ala	Leu	Met	Glu	Asp
						130			135			140			
Thr	Gly	Arg	Gln	Met	Leu	Ser	Pro	Tyr	Cys	Asp	Thr	Leu	Arg	Ser	Asn
						145			150			155			160
Pro	Leu	Gln	Leu	Thr	Cys	Arg	Gln	Asp	Gln	Arg	Ala	Val	Ala	Val	Cys
						165			170			175			
Asn	Leu	Gln	Lys	Phe	Pro	Lys	Pro	Leu	Pro	Gln	Glu	Tyr	Gln	Tyr	Phe
						180			185			190			
Asp	Glu	Leu	Ser	Gly	Ile	Pro	Ala	Glu	Asp	Leu	Pro	Tyr	Tyr	Gly	
						195			200			205		207	

<210> 1423

<211> 423

<212>Amino acid

<213> Homo sapiens

<400> 1423

Ala Ala Arg Arg Arg Arg Gln Leu Val Ser Arg Arg Arg Thr Ala Glu
 1 5 10 15
 Tyr Pro Arg Arg Arg Ser Ser Pro Ser Ala Arg Pro Pro Asp Val
 20 25 30
 Pro Gly Gln Gln Pro Lys Ala Ala Lys Ser Pro Ser Pro Val Gln Gly
 35 40 45
 Lys Lys Ser Pro Arg Leu Leu Cys Ile Glu Lys Val Thr Thr Asp Lys
 50 55 60
 Asp Pro Lys Glu Glu Lys Glu Glu Asp Asp Ser Ala Leu Pro Gln
 65 70 75 80
 Glu Val Ser Ile Ala Ala Ser Arg Pro Ser Arg Gly Trp Arg Ser Ser
 85 90 95
 Arg Thr Ser Val Ser Arg His Arg Asp Thr Glu Asn Thr Arg Ser Ser
 100 105 110
 Arg Ser Lys Thr Gly Ser Leu Gln Leu Ile Cys Lys Ser Glu Pro Asn
 115 120 125
 Thr Asp Gln Leu Asp Tyr Asp Val Gly Glu Glu His Gln Ser Pro Gly
 130 135 140
 Gly Ile Ser Ser Glu Glu Glu Glu Glu Glu Met Leu Ile
 145 150 155 160
 Ser Glu Glu Glu Ile Pro Phe Lys Asp Asp Pro Arg Asp Glu Thr Tyr
 165 170 175
 Lys Pro His Leu Glu Arg Glu Thr Pro Lys Pro Arg Arg Lys Ser Gly
 180 185 190
 Lys Val Lys Glu Glu Lys Glu Lys Glu Ile Lys Val Glu Val Glu
 195 200 205
 Val Glu Val Lys Glu Glu Asn Glu Ile Arg Glu Asp Glu Glu Pro
 210 215 220
 Pro Arg Lys Arg Gly Arg Arg Arg Lys Asp Asp Lys Ser Pro Arg Leu
 225 230 235 240
 Pro Lys Arg Arg Lys Lys Pro Pro Ile Gln Tyr Val Arg Cys Glu Met
 245 250 255
 Glu Gly Cys Gly Thr Val Leu Ala His Pro Arg Tyr Leu Gln His His
 260 265 270
 Ile Lys Tyr Gln His Leu Leu Lys Lys Tyr Val Cys Pro His Pro
 275 280 285
 Ser Cys Gly Arg Leu Phe Arg Leu Gln Lys Gln Leu Leu Arg His Ala
 290 295 300
 Lys His His Thr Asp Gln Arg Asp Tyr Ile Cys Glu Tyr Cys Ala Arg
 305 310 315 320
 Ala Phe Lys Ser Ser His Asn Leu Ala Val His Arg Met Ile His Thr
 325 330 335
 Gly Glu Lys Pro Leu Gln Cys Glu Ile Cys Gly Phe Thr Cys Arg Gln
 340 345 350
 Lys Ala Ser Leu Asn Trp His Met Lys Lys His Asp Ala Asp Ser Phe
 355 360 365
 Tyr Gln Phe Ser Cys Asn Ile Cys Gly Lys Phe Glu Lys Lys Asp
 370 375 380
 Ser Val Val Ala His Lys Ala Lys Ser His Pro Glu Val Leu Ile Ala
 385 390 395 400
 Glu Ala Leu Ala Ala Asn Ala Gly Ala Leu Ile Thr Ser Thr Asp Ile
 405 410 415
 Leu Gly Thr Asn Pro Glu Ser
 420 423

<210> 1424

<211> 158

<212>Amino acid

<213> Homo sapiens

<400> 1424

Met	Thr	Ala	Asn	Arg	Leu	Ala	Glu	Ser	Leu	Leu	Ala	Leu	Ser	Gln	Gln
1					5				10					15	
Glu	Glu	Leu	Ala	Asp	Leu	Pro	Lys	Asp	Tyr	Leu	Leu	Ser	Glu	Ser	Glu
					20				25					30	
Asp	Glu	Gly	Asp	Asn	Asp	Gly	Glu	Arg	Lys	His	Gln	Lys	Leu	Leu	Glu
					35				40					45	
Ala	Ile	Ser	Ser	Leu	Asp	Gly	Lys	Asn	Arg	Arg	Lys	Leu	Ala	Glu	Arg
					50				55					60	
Ser	Glu	Ala	Ser	Leu	Lys	Val	Ser	Glu	Phe	Asn	Val	Ser	Ser	Glu	Gly
					65				70					80	
Ser	Gly	Glu	Lys	Leu	Val	Leu	Ala	Asp	Leu	Leu	Glu	Pro	Val	Lys	Thr
					85				90					95	
Ser	Ser	Ser	Leu	Ala	Thr	Val	Lys	Lys	Gln	Leu	Ser	Arg	Val	Lys	Ser
					100				105					110	
Lys	Lys	Thr	Val	Glu	Leu	Pro	Leu	Asn	Lys	Glu	Glu	Ile	Glu	Arg	Ile
					115				120					125	
His	Arg	Glu	Val	Ala	Phe	Asn	Lys	Thr	Ala	Gln	Val	Leu	Ser	Lys	Trp
					130				135					140	
Asp	Pro	Val	Val	Leu	Lys	Asn	Arg	Gln	Ala	Glu	Gln	Leu	*		
					145				150					155	157

<210> 1425

<211> 286
<212>Amino acid
<213> Homo sapiens

<220>

<221> misc_feature
<222> (1)...(286)
<223> X = any amino acid or stop code

<400> 1425

Arg	Ile	Asp	Phe	Met	Phe	His	Ser	Ser	Ala	Met	Val	Asn	Ser	His	Arg
1					5					10				15	
Lys	Pro	Met	Phe	Asn	Ile	His	Arg	Gly	Phe	Tyr	Cys	Leu	Thr	Ala	Ile
					20				25					30	
Leu	Pro	Gln	Ile	Cys	Ile	Cys	Ser	Gln	Phe	Ser	Val	Pro	Ser	Ser	Tyr
					35				40					45	
His	Phe	Thr	Glu	Asp	Pro	Gly	Ala	Phe	Pro	Val	Ala	Thr	Asn	Gly	Glu
					50				55					60	
Arg	Phe	Pro	Trp	Gln	Glu	Leu	Arg	Leu	Pro	Ser	Val	Val	Ile	Pro	Leu
					65				70					80	
His	Tyr	Asp	Leu	Phe	Val	His	Pro	Asn	Leu	Thr	Ser	Leu	Asp	Phe	Val
					85				90					95	
Ala	Ser	Glu	Ile	Glu	Val	Leu	Val	Ser	Asn	Ala	Thr	Gln	Leu	Ile	
					100				105					110	
Ile	Leu	His	Ser	Lys	Asp	Leu	Glu	Ile	Thr	Asn	Ala	Thr	Leu	Gln	Ser
					115				120					125	
Glu	Glu	Asp	Ser	Arg	Tyr	Met	Lys	Pro	Gly	Lys	Glu	Leu	Lys	Val	Leu
					130				135					140	
Ser	Tyr	Pro	Ala	His	Glu	Gln	Ile	Ala	Leu	Leu	Val	Pro	Glu	Lys	Leu
					145				150					160	
Thr	Pro	His	Leu	Lys	Tyr	Tyr	Val	Ala	Met	Asp	Phe	Gln	Ala	Lys	Leu
					165				170					175	
Gly	Asp	Gly	Phe	Glu	Gly	Phe	Tyr	Lys	Ser	Thr	Tyr	Arg	Thr	Leu	Gly

180	185	190
Gly Glu Thr Arg Ile Leu Ala Val	Thr Asp Phe Glu Pro	Thr Gln Ala
195	200	205
Arg Met Ala Phe Pro Cys Phe Asp Glu Pro	Leu Phe Lys Ala Asn Phe	
210	215	220
Ser Ile Lys Ile Arg Arg Glu Ser Arg His	Ile Ala Leu Ser Asn Met	
225	230	235
Pro Lys Val Lys Thr Ile Glu Leu Glu Gly	Gly Leu Leu Glu Asp His	
245	250	255
Phe Glu Thr Thr Val Lys Met Ser Thr Tyr	Leu Val Ala Tyr Ile Asp	
260	265	270
Leu Xaa Phe Pro Leu Met Gly Asn Asp Phe	Leu Gly Arg Ser	
275	280	285 286

<210> 1426

<211> 224

<212>Amino acid

<213> Homo sapiens

<400> 1426

Arg Ser Lys Ile Pro Arg Ser Asp Pro Arg	Val Arg Thr Pro Ala Pro		
1	5	10	15
Ala Glu Ala Glu Gln Gly Lys Ser Gln Cys	Pro Ser Gly Ser Thr Ala		
20	25	30	
Gln Ser Trp Ser Ala Met Asp Ile Leu Val	Pro Leu Leu Gln Leu Leu		
35	40	45	
Val Leu Leu Leu Thr Leu Pro Leu His Leu	Met Ala Leu Leu Gly Cys		
50	55	60	
Trp Gln Pro Leu Cys Lys Ser Tyr Phe Pro	Tyr Leu Met Ala Val Leu		
65	70	75	80
Thr Pro Lys Ser Asn Arg Lys Met Glu Ser	Lys Lys Arg Glu Leu Phe		
85	90	95	
Ser Gln Ile Lys Gly Leu Thr Gly Ala Ser	Gly Lys Val Ala Leu Leu		
100	105	110	
Glu Leu Gly Cys Gly Thr Gly Ala Asn Phe	Gln Phe Tyr Pro Pro Gly		
115	120	125	
Cys Arg Val Thr Cys Leu Asp Pro Asn Pro	His Phe Glu Lys Phe Leu		
130	135	140	
Thr Lys Ser Met Ala Glu Asn Arg His Leu	Gln Tyr Glu Arg Phe Val		
145	150	155	160
Val Ala Pro Gly Glu Asp Met Arg Gln Leu	Ala Asp Gly Ser Met Asp		
165	170	175	
Val Val Val Cys Thr Leu Val Leu Cys Ser	Val Gln Ser Pro Arg Lys		
180	185	190	
Val Leu Gln Glu Val Arg Arg Val Leu Arg	Pro Gly Gly Val Leu Phe		
195	200	205	
Phe Trp Glu His Val Ala Glu Pro Tyr Gly	Ser Trp Ala Phe Met Trp		
210	215	220	224

<210> 1427

<211> 133

<212>Amino acid

<213> Homo sapiens

<400> 1427

Arg Leu Gln Asn Ser Ser Leu Met Asp Pro Lys Leu Gly Arg Met Ala
 1 5 10 15
 Ala Ser Leu Leu Ala Val Leu Leu Leu Leu Leu Glu Arg Gly Met
 20 25 30
 Phe Ser Ser Pro Ser Pro Pro Ala Leu Leu Glu Lys Val Phe Gln
 35 40 45
 Tyr Ile Asp Leu His Gln Asp Glu Phe Val Gln Thr Leu Lys Glu Trp
 50 55 60
 Val Ala Ile Glu Ser Asp Ser Val Gln Pro Val Pro Arg Phe Arg Gln
 65 70 75 80
 Glu Leu Phe Arg Met Met Ala Val Ala Ala Asp Thr Leu Gln Arg Leu
 85 90 95
 Gly Ala Arg Val Ala Ser Val Asp Met Gly Pro Gln Gln Leu Pro Asp
 100 105 110
 Gly Gln Ser Leu Pro Ile Pro Pro Val Ile Leu Ala Glu Leu Gly Ser
 115 120 125
 Asp Pro Thr Lys Gly
 130 133

<210> 1428

<211> 38

<212>Amino acid

<213> Homo sapiens

<400> 1428

Phe Phe Phe Glu Met Glu Ser Cys Ser Val Thr Gln Ala Gly Val
 1 5 10 15
 Pro Trp His Asp Leu Ser Ser Leu Gln Pro Pro Pro Pro Arg Phe Lys
 20 25 30
 Arg Phe Ser Cys Leu Ser
 35 38

<210> 1429

<211> 145

<212>Amino acid

<213> Homo sapiens

<400> 1429

Asp Pro Lys Ala Gln Leu Pro Glu Pro Leu Arg Val Leu Trp Thr Ala
 1 5 10 15
 His Leu Val Ala Met Ala Pro Gly Ser Arg Thr Ser Leu Leu Leu Ala
 20 25 30
 Phe Ala Leu Leu Cys Leu Pro Trp Leu Gln Glu Ala Gly Ala Val Gln
 35 40 45
 Thr Val Pro Leu Ser Arg Leu Phe Asp His Ala Met Leu Gln Ala His
 50 55 60
 Arg Ala His Gln Leu Ala Ile Asp Thr Tyr Gln Glu Phe Glu Glu Thr
 65 70 75 80
 Tyr Ile Pro Lys Asp Gln Lys Tyr Ser Phe Leu His Asp Ser Gln Thr
 85 90 95
 Ser Phe Cys Phe Ser Asp Ser Ile Pro Thr Pro Ser Asn Met Glu Glu

100	105	110
Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser	Leu	Leu Leu
115	120	125
Ile Glu Ser Trp Leu Glu Pro Val Arg Ile Leu Met Ser	Ile	Val Pro
130	135	140
Asn		
145		

<210> 1430
 <211> 453
 <212>Amino acid
 <213> Homo sapiens

<400> 1430		
Phe Val Lys Leu Ile Lys Lys His Gln Ala Ala Met Glu Lys Glu Ala		
1	5	10
Lys Val Met Ser Asn Glu Glu Lys Lys Phe Gln Gln His Ile Gln Ala		
20	25	30
Gln Gln Lys Lys Glu Leu Asn Ser Phe Leu Glu Ser Gln Lys Arg Glu		
35	40	45
Tyr Lys Leu Arg Lys Glu Gln Leu Lys Glu Glu Leu Asn Glu Asn Gln		
50	55	60
Ser Thr Pro Lys Lys Glu Lys Gln Glu Trp Leu Ser Lys Gln Lys Glu		
65	70	75
Asn Ile Gln His Phe Gln Ala Glu Glu Ala Asn Leu Leu Arg Arg		
85	90	95
Gln Arg Gln Tyr Leu Glu Leu Glu Cys Arg Arg Phe Lys Arg Arg Met		
100	105	110
Leu Leu Gly Arg His Asn Leu Glu Gln Asp Leu Val Arg Glu Glu Leu		
115	120	125
Asn Lys Arg Gln Thr Gln Lys Asp Leu Glu His Ala Met Leu Leu Arg		
130	135	140
Gln His Glu Ser Met Gln Glu Leu Glu Phe Arg His Leu Asn Thr Ile		
145	150	155
Gln Lys Met Arg Cys Glu Leu Ile Arg Leu Gln His Gln Thr Glu Leu		
165	170	175
Thr Asn Gln Leu Glu Tyr Asn Lys Arg Arg Glu Arg Glu Leu Arg Arg		
180	185	190
Lys His Val Met Glu Val Arg Gln Gln Pro Lys Ser Leu Lys Ser Lys		
195	200	205
Glu Leu Gln Ile Lys Lys Gln Phe Gln Asp Thr Cys Lys Ile Gln Thr		
210	215	220
Arg Gln Tyr Lys Ala Leu Arg Asn His Leu Leu Glu Thr Thr Pro Lys		
225	230	235
Ser Glu His Lys Ala Val Leu Lys Arg Leu Lys Glu Glu Gln Thr Arg		
245	250	255
Lys Leu Ala Ile Leu Ala Glu Gln Tyr Asp His Ser Ile Asn Glu Met		
260	265	270
Leu Ser Thr Gln Ala Leu Arg Leu Asp Glu Ala Gln Glu Ala Glu Cys		
275	280	285
Gln Val Leu Lys Met Gln Leu Gln Gln Glu Leu Glu Leu Leu Asn Ala		
290	295	300
Tyr Gln Ser Lys Ile Lys Met Gln Ala Glu Ala Gln His Asp Arg Glu		
305	310	315
Leu Arg Glu Leu Glu Gln Arg Val Ser Leu Arg Arg Ala Leu Leu Glu		
325	330	335
Gln Lys Ile Glu Glu Glu Met Leu Ala Leu Gln Asn Glu Arg Thr Glu		
340	345	350
Arg Ile Arg Ser Leu Leu Glu Arg Gln Ala Arg Glu Ile Glu Ala Phe		

355	360	365
Asp Ser Glu Ser Met Arg Leu Gly Phe Ser Asn Met Val Leu Ser Asn		
370	375	380
Leu Ser Pro Glu Ala Phe Ser His Ser Tyr Pro Gly Ala Ser Gly Trp		
385	390	395
Ser His Asn Pro Thr Gly Gly Pro Gly Pro His Trp Gly His Pro Met		400
405	410	415
Gly Gly Pro Pro Gln Ala Trp Gly His Pro Met Gln Gly Gly Pro Gln		
420	425	430
Pro Trp Gly His Pro Ser Gly Pro Met Gln Gly Val Pro Arg Gly Ser		
435	440	445
Ser Met Gly Val Arg		
450	453	

<210> 1431
<211> 151
<212>Amino acid
<213> Homo sapiens

<400> 1431		
Leu Ala His Gly Ser Phe Gly Val Ser Asp Phe Pro Ala Pro Ala Ala		
1	5	10
Ala Pro Ala His Thr Leu Thr Ser Phe Ser Gly Ser Leu Ser Pro Gln		15
20	25	30
Phe Arg Lys Pro Leu Gly Arg Ala Pro Ala Met Pro Leu Val Arg Tyr		
35	40	45
Arg Lys Val Val Ile Leu Gly Tyr Arg Cys Val Gly Lys Thr Ser Leu		
50	55	60
Ala His Gln Phe Val Glu Gly Glu Phe Ser Glu Gly Tyr Asp Pro Thr		
65	70	75
Val Glu Asn Thr Tyr Ser Lys Ile Val Thr Leu Gly Lys Asp Glu Phe		80
85	90	95
His Leu His Leu Val Asp Thr Ala Gly Gln Asp Glu Tyr Ser Ile Leu		
100	105	110
Pro Tyr Ser Phe Ile Ile Gly Val His Gly Tyr Val Leu Val Tyr Ser		
115	120	125
Val Thr Ser Leu His Ser Phe Gln Val Ile Glu Ser Leu Tyr Gln Lys		
130	135	140
Leu His Glu Gly His Gly Lys		
145	150	151

<210> 1432
<211> 514
<212>Amino acid
<213> Homo sapiens

<400> 1432		
Ser Ser Pro Ser Arg Glu Leu Cys Phe Tyr Gly Phe Trp Ile Ala Ser		
1	5	10
Ser Trp Trp Ser Arg Trp Val Gly Ser Leu Gly Pro Gly Ile Leu Pro		15
20	25	30
Ser Pro Pro Ala Arg Gly Arg Thr Phe Ala Ser Val Ser Arg Leu Pro		
35	40	45
Pro Pro Trp Ser Ala Gly Ile Thr Leu Thr Pro Phe Leu Ile Cys Gln		

50	55	60													
Ser	Gly	Ser	Val	Cys	Pro	Gly	Leu	Gly	Ala	Gly	Phe	Gly	Val	Arg	Ser
65				70				75							80
Phe	His	His	Pro	Val	Ala	Arg	Ser	Ala	Val	Leu	Leu	Leu	Pro	Leu	Ala
					85				90						95
Pro	Ala	Ala	Ala	Gln	Asp	Ser	Thr	Gln	Ala	Ser	Thr	Pro	Gly	Ser	Pro
					100				105						110
Leu	Ser	Pro	Thr	Glu	Tyr	Glu	Arg	Phe	Phe	Ala	Leu	Leu	Thr	Pro	Thr
					115				120						125
Trp	Lys	Ala	Glu	Thr	Thr	Cys	Arg	Leu	Arg	Ala	Thr	His	Gly	Cys	Arg
					130				135						140
Asn	Pro	Thr	Leu	Val	Gln	Leu	Asp	Gln	Tyr	Glu	Asn	His	Gly	Leu	Val
145					150					155					160
Pro	Asp	Gly	Ala	Val	Cys	Ser	Asn	Leu	Pro	Tyr	Ala	Ser	Trp	Phe	Glu
					165					170					175
Ser	Phe	Cys	Gln	Phe	Thr	His	Tyr	Arg	Cys	Ser	Asn	His	Val	Tyr	Tyr
					180				185						190
Ala	Lys	Arg	Val	Leu	Cys	Ser	Gln	Pro	Val	Ser	Ile	Leu	Ser	Pro	Asn
					195				200						205
Thr	Leu	Lys	Glu	Ile	Glu	Ala	Ser	Ala	Glu	Val	Ser	Pro	Thr	Thr	Met
					210				215						220
Thr	Ser	Pro	Ile	Ser	Pro	His	Phe	Thr	Val	Thr	Glu	Arg	Gln	Thr	Phe
225					230				235						240
Gln	Pro	Trp	Pro	Glu	Arg	Leu	Ser	Asn	Asn	Val	Glu	Glu	Leu	Leu	Gln
					245				250						255
Ser	Ser	Leu	Ser	Leu	Gly	Gly	Gln	Glu	Gln	Ala	Pro	Glu	His	Lys	Gln
					260				265						270
Glu	Gln	Gly	Val	Glu	His	Arg	Gln	Glu	Pro	Thr	Gln	Glu	His	Lys	Gln
					275				280						285
Glu	Glu	Gly	Gly	Lys	Gln	Glu	Glu	Gln	Glu	Glu	Glu	Gln	Glu	Glu	Glu
					290				295						300
Gly	Lys	Gln	Glu	Glu	Gly	Gly	Thr	Lys	Glu	Gly	Arg	Glu	Ala	Val	
305					310				315						320
Ser	Gln	Leu	Gln	Thr	Asp	Ser	Glu	Pro	Lys	Phe	His	Ser	Glu	Ser	Leu
					325				330						335
Ser	Ser	Asn	Pro	Ser	Ser	Phe	Ala	Pro	Arg	Val	Arg	Glu	Val	Glu	Ser
					340				345						350
Thr	Pro	Met	Ile	Met	Glu	Asn	Ile	Gln	Glu	Leu	Ile	Arg	Ser	Ala	Gln
					355				360						365
Glu	Ile	Asp	Glu	Met	Asn	Glu	Ile	Tyr	Asp	Glu	Asn	Ser	Tyr	Trp	Arg
					370				375						380
Asn	Gln	Asn	Pro	Gly	Ser	Leu	Leu	Gln	Leu	Pro	His	Thr	Glu	Ala	Leu
385					390				395						400
Leu	Val	Leu	Cys	Tyr	Ser	Ile	Val	Glu	Asn	Thr	Cys	Ile	Ile	Thr	Pro
					405				410						415
Thr	Ala	Lys	Ala	Trp	Lys	Tyr	Met	Glu	Glu	Glu	Ile	Leu	Gly	Phe	Gly
					420				425						430
Lys	Ser	Val	Cys	Asp	Ser	Leu	Gly	Arg	Arg	His	Met	Ser	Thr	Cys	Ala
					435				440						445
Leu	Cys	Asp	Phe	Cys	Ser	Leu	Lys	Leu	Glu	Gln	Cys	His	Ser	Glu	Ala
					450				455						460
Ser	Leu	Gln	Arg	Gln	Gln	Cys	Asp	Thr	Ser	His	Lys	Thr	Pro	Phe	Val
465					470				475						480
Ser	Pro	Leu	Leu	Ala	Ser	Gln	Ser	Leu	Ser	Ile	Gly	Asn	Gln	Val	Gly
					485				490						495
Ser	Pro	Glu	Ser	Gly	Arg	Phe	Tyr	Gly	Leu	Asp	Leu	Tyr	Gly	Gly	Leu
					500				505						510
His	Met														
	514														

<210> 1433

<211> 241

<212>Amino acid

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(241)

<223> X = any amino acid or stop code

<400> 1433

Val	Ser	Trp	Val	Pro	Ser	Lys	Asp	Gly	Asp	Val	Glu	Gly	Ala	Arg	Arg
1						5				10				15	
Pro	Phe	Thr	Arg	Leu	Asn	Thr	Ser	Leu	Gly	Pro	Gly	Leu	Gln	Glu	Gly
						20				25			30		
Arg	Arg	Arg	Thr	Trp	Leu	Val	Pro	Ile	Pro	Gly	Ala	Val	Leu	Pro	Gly
						35				40			45		
Arg	Thr	Gln	Glu	Gln	Pro	Arg	Ala	Ser	Pro	Leu	Tyr	Xaa	Pro	Gly	Ala
						50				55			60		
Pro	Pro	Cys	Gln	Pro	Gln	Gly	Leu	Val	Ala	Gly	Pro	Trp	Ala	Gln	Xaa
						65				70			75		80
Ala	Gly	Leu	Arg	Ser	Asp	Gly	Phe	Gly	Pro	Trp	Pro	Trp	Arg	Leu	Val
						85				90			95		
Gly	Thr	Ala	Gly	Pro	Arg	Glu	Lys	Lys	Val	Gln	Lys	Ser	Lys	Cys	Trp
						100				105			110		
His	Phe	Arg	Cys	Gly	Arg	His	Pro	Ala	Arg	Arg	Ser	Gly	Trp	Ala	Gly
						115				120			125		
Arg	His	Ala	Ser	Leu	Leu	Ala	Thr	Gly	Arg	Pro	Cys	Ser	Ser	Ala	Pro
						130				135			140		
Ser	Gln	Gln	Pro	Leu	Gly	Thr	Ala	Gly	Asp	Ser	Arg	Gln	Glu	Leu	Leu
						145				150			155		160
Arg	Pro	Pro	Leu	Val	Xaa	Val	Asn	Gly	Ala	Gln	Ser	Ser	Ala	Ala	Gly
						165				170			175		
Asp	Trp	Gly	Ser	Ser	Pro	Arg	Thr	Ala	Gln	Ala	Leu	Ala	Arg	Pro	His
						180				185			190		
Arg	Leu	Gly	His	His	Pro	Ala	Ala	Val	Ala	Pro	Ala	Ala	Arg	Leu	Arg
						195				200			205		
Thr	Gln	Ser	Gly	His	Ser	Pro	Arg	Gly	Pro	Leu	Cys	Arg	Ser	Pro	Gly
						210				215			220		
Ser	Pro	Arg	Arg	Met	Gly	Thr	Trp	Arg	Gly	Pro	Ala	Gly	His	Ser	His
						225				230			235		240
Asp															
															241

<210> 1434

<211> 127

<212> Amino acid

<213> Homo sapiens

<400> 1434

Lys	Thr	Val	Ala	Glu	Glu	Ala	Ser	Val	Gly	Asn	Pro	Glu	Gly	Ala	Phe
1						5				10				15	
Met	Lys	Met	Leu	Gln	Ala	Arg	Lys	Gln	His	Met	Ser	Thr	Glu	Leu	Thr
						20				25			30		
Ile	Glu	Ser	Glu	Ala	Pro	Ser	Asp	Ser	Ser	Gly	Ile	Asn	Leu	Ser	Gly
						35				40			45		
Phe	Gly	Ser	Glu	Gln	Leu	Asp	Thr	Asn	Asp	Glu	Ser	Asp	Val	Ser	Ser
						50				55			60		

Ala Leu Ser Tyr Ile Leu Pro Tyr Leu Ser Leu Arg Asn Leu Gly Ala
 65 70 75 80
 Glu Ser Ile Leu Leu Pro Phe Thr Glu Gln Leu Phe Ser Asn Val Gln
 85 90 95
 Asp Gly Asp Arg Leu Leu Ser Ile Leu Lys Asn Asn Arg Lys Ser Pro
 100 105 110
 Ser Gln Ser Ser Leu Leu Gly Asn Lys Phe Lys Asn Lys Ile Phe
 115 120 125 127

<210> 1435
 <211> 182
 <212>Amino acid
 <213> Homo sapiens

<400> 1435
 Gly Glu Cys Phe Ile Met Ala Ala Val Val Gln Gln Asn Asp Leu Val
 1 5 10 15
 Phe Glu Phe Ala Ser Asn Val Met Glu Asp Glu Arg Gln Leu Gly Asp
 20 25 30
 Pro Ala Ile Phe Pro Ala Val Ile Val Glu His Val Pro Gly Ala Asp
 35 40 45
 Ile Leu Asn Ser Tyr Ala Gly Leu Ala Cys Val Glu Glu Pro Asn Asp
 50 55 60
 Met Ile Thr Glu Ser Ser Leu Asp Val Ala Glu Glu Glu Ile Ile Asp
 65 70 75 80
 Asp Asp Asp Asp Asp Ile Thr Leu Thr Val Glu Ala Ser Cys His Asp
 85 90 95
 Gly Asp Glu Thr Ile Glu Thr Ile Glu Ala Ala Glu Ala Leu Asn
 100 105 110
 Met Asp Ser Pro Gly Pro Met Leu Asp Glu Lys Arg Ile Asn Asn Asn
 115 120 125
 Ile Phe Ser Ser Pro Glu Asp Asp Met Val Val Ala Pro Val Thr His
 130 135 140
 Val Ser Val Thr Leu Asp Gly Ile Pro Glu Val Met Glu Thr Gln Gln
 145 150 155 160
 Val Gln Glu Lys Tyr Ala Asp Ser Pro Gly Ala Ser Ser Pro Glu Gln
 165 170 175
 Pro Lys Arg Lys Lys Lys
 180 182

<210> 1436
 <211> 154
 <212>Amino acid
 <213> Homo sapiens

<400> 1436
 His Glu Ala Ser Gly Val Ser Arg Ala Leu Leu Gln Ser Ala Pro Gly
 1 5 10 15
 Thr Pro Ala Thr Val Gly Ile Ser Val Gly Glu Leu Trp Pro Phe Ala
 20 25 30
 Arg Cys Cys Ser His Ser Tyr Val Arg Ser Leu Arg Gly Leu Ser Val
 35 40 45
 Ser Thr His Leu Leu Cys Phe Thr Ile Tyr Ile Met Asn Pro Ser Met
 50 55 60

Lys Gln Lys Gln Glu Glu Ile Lys Glu Asn Ile Lys Thr Ser Ser Val
 65 70 75 80
 Pro Arg Arg Thr Leu Lys Met Ile Gln Pro Ser Ala Ser Gly Ser Leu
 85 90 95
 Val Gly Arg Glu Asn Glu Leu Ser Ala Gly Leu Ser Lys Arg Lys His
 100 105 110
 Arg Asn Asp His Leu Thr Ser Thr Ser Ser Pro Gly Val Ile Val
 115 120 125
 Pro Glu Ser Ser Glu Asn Lys Asn Leu Gly Gly Val Thr Gln Glu Ser
 130 135 140
 Phe Asp Leu Met Ile Lys Gly Met Lys Lys
 145 150 154

<210> 1437
<211> 63
<212>Amino acid
<213> Homo sapiens

<400> 1437
Pro Leu Pro Ala Arg Gly Lys Ser Thr Leu Pro Ala Thr Phe Cys Ser
 1 5 10 15
 Pro Ser Ala Pro Glu Leu Ala Ser Met Ser Val Val Pro Pro Asn Arg
 20 25 30
 Ser Gln Thr Gly Trp Pro Arg Gly Val Thr Gln Phe Gly Asn Lys Tyr
 35 40 45
 Ile Gln Gln Thr Lys Pro Leu Thr Leu Glu Arg Thr Ile Asn Leu
 50 55 60 63

<210> 1438
<211> 140
<212>Amino acid
<213> Homo sapiens

<400> 1438
Ala Glu Gly Glu Asp Val Pro Pro Leu Pro Thr Ser Ser Gly Asp Gly
 1 5 10 15
 Trp Glu Lys Asp Leu Glu Glu Ala Leu Glu Ala Gly Gly Cys Asp Leu
 20 25 30
 Glu Thr Leu Arg Asn Ile Ile Gln Gly Arg Pro Leu Pro Ala Asp Leu
 35 40 45
 Arg Ala Lys Val Trp Lys Ile Ala Leu Asn Val Ala Gly Lys Gly Asp
 50 55 60
 Ser Leu Ala Ser Trp Asp Gly Ile Leu Asp Leu Pro Glu Gln Asn Thr
 65 70 75 80
 Ile His Lys Asp Cys Leu Gln Phe Ile Asp Gln Leu Ser Val Pro Glu
 85 90 95
 Glu Lys Ala Ala Glu Leu Leu Asp Ile Glu Ser Val Ile Thr Phe
 100 105 110
 Tyr Cys Lys Ser Arg Asn Ile Lys Tyr Ser Thr Ser Leu Ser Trp Ile
 115 120 125
 His Leu Leu Lys Pro Leu Val His Leu Gln Leu Pro
 130 135 140

<210> 1439
<211> 84
<212>Amino acid
<213> Homo sapiens

<400> 1439
Ala Leu Pro Lys Phe Leu Thr His Gly Val Lys Ser Asn Glu Arg Val
1 5 10 15
Val Val Trp Leu Phe Pro Pro Ser Phe Arg Ala Ala Thr Met Val His
20 25 30
Met Asn Val Leu Pro Asp Ala Leu Lys Ser Ile Asn Asn Ala Glu Arg
35 40 45
Arg Gly Lys Pro Gln Val Leu Ile Arg Leu Cys Ser Lys Ile Ile Ile
50 55 60
Trp Phe Leu Thr Val Met Val Lys Tyr Gly Tyr Ile Gly Lys Phe Glu
65 70 75 80
Pro Thr Arg Pro
84

<210> 1440
<211> 255
<212>Amino acid
<213> Homo sapiens

<400> 1440
Ala Met Ala Gln Tyr Gly His Pro Ser Pro Leu Gly Met Ala Ala Arg
1 5 10 15
Glu Glu Leu Tyr Ser Lys Val Thr Pro Arg Arg Asn Arg Gln Gln Arg
20 25 30
Pro Gly Thr Ile Lys His Gly Ser Ala Leu Asp Val Leu Leu Ser Met
35 40 45
Gly Phe Pro Arg Ala Arg Ala Gln Lys Ala Leu Ala Ser Thr Gly Gly
50 55 60
Arg Ser Val Gln Ala Ala Cys Asp Trp Leu Phe Ser His Val Gly Asp
65 70 75 80
Pro Phe Leu Asp Asp Pro Leu Pro Arg Glu Tyr Val Leu Tyr Leu Arg
85 90 95
Pro Thr Gly Pro Leu Ala Gln Lys Leu Ser Asp Phe Trp Gln Gln Ser
100 105 110
Lys Gln Ile Cys Gly Lys Asn Lys Ala His Asn Ile Phe Pro His Ile
115 120 125
Thr Leu Cys Gln Phe Phe Met Cys Glu Asp Ser Lys Val Asp Ala Leu
130 135 140
Gly Glu Ala Leu Gln Thr Thr Val Ser Arg Trp Lys Cys Lys Phe Ser
145 150 155 160
Ala Pro Leu Pro Leu Glu Leu Tyr Thr Ser Ser Asn Phe Ile Gly Leu
165 170 175
Phe Val Lys Glu Asp Ser Ala Glu Val Leu Lys Lys Phe Ala Ala Asp
180 185 190
Phe Ala Ala Glu Ala Ala Ser Lys Thr Glu Val His Val Glu Pro His
195 200 205
Lys Lys Gln Leu His Val Thr Leu Ala Tyr His Phe Gln Ala Ser His
210 215 220
Leu Pro Thr Leu Glu Lys Leu Ala Gln Asn Ile Asp Val Lys Leu Gly
225 230 235 240

Cys Asp Trp Val Ala Thr Ile Phe Ser Arg Asp Ile Arg Phe Ala
245 250 255

<210> 1441
<211> 134
<212>Amino acid
<213> *Homö sapiens*

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<400> 1441
Gln Thr Arg Pro Ala Ser Pro Arg Thr Ala Arg Glu Ser Val Leu Gly
      1           5           10          15
Val Ser Gln Asn Met Ser Phe Asn Leu Gln Ser Ser Lys Lys Leu Phe
      20          25          30
Ile Phe Leu Gly Lys Ser Leu Phe Ser Leu Leu Glu Ala Met Ile Phe
      35          40          45
Ala Leu Leu Pro Lys Pro Arg Lys Asn Val Ala Gly Glu Ile Val Leu
      50          55          60
Ile Thr Gly Ala Gly Ser Gly Leu Gly Arg Leu Leu Ala Leu Gln Phe
      65          70          75          80
Ala Arg Leu Gly Ser Val Leu Val Leu Trp Asp Ile Asn Lys Glu Gly
      85          90          95
Asn Glu Glu Thr Cys Lys Met Ala Arg Glu Ala Gly Ala Thr Arg Val
      100         105         110
His Ala Tyr Thr Cys Asp Cys Ser Gln Lys Glu Gly Val Tyr Arg Val
      115         120         125
Ala Asp Gln Val Lys Lys
      130         134

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<210> 1442
<211> 155
<212>Amino acid
<213> Homo sapiens

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<400> 1442
Met Val Ala Arg Lys Gly Gln Lys Ser Pro Arg Phe Arg Arg Val Thr
      1           5           10          15
Cys Phe Leu Arg Leu Gly Arg Ser Thr Leu Leu Glu Leu Glu Pro Ala
      20          25          30
Gly Arg Pro Cys Ser Gly Arg Thr Arg His Arg Ala Leu His Arg Arg
      35          40          45
Leu Val Ala Cys Val Thr Val Ser Ser Arg Arg His Arg Lys Glu Ala
      50          55          60
Gly Arg Gly Arg Ala Glu Ser Phe Ile Ala Val Gly Met Ala Ala Pro
      65          70          75          80
Ser Met Lys Glu Arg Gln Val Cys Trp Gly Ala Arg Asp Glu Tyr Trp
      85          90          95
Lys Cys Leu Asp Glu Asn Leu Glu Asp Ala Ser Gln Cys Lys Lys Leu
      100         105         110
Arg Ser Ser Phe Glu Ser Ser Cys Pro Gln Gln Trp Ile Lys Tyr Phe
      115         120         125
Asp Lys Arg Arg Asp Tyr Leu Lys Phe Lys Glu Lys Phe Glu Ala Gly
      130         135         140
Gln Phe Glu Pro Ser Glu Thr Thr Ala Lys Ser
      145         150         155

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<210> 1443
<211> 157
<212>Amino acid
<213> Homo sapiens

<400> 1443
Pro Ala Pro Ala Ala Arg Ser Arg Glu Leu Leu Lys Glu Leu Arg Asn
1 5 10 15
Gly Gln Asp Met Asp Thr Val Val Phe Glu Asp Val Val Val Asp Phe
20 25 30
Thr Leu Glu Glu Trp Ala Leu Leu Asn Pro Ala Gln Arg Lys Leu Tyr
35 40 45
Arg Asp Val Met Leu Glu Thr Phe Lys His Leu Ala Ser Val Asp Asn
50 55 60
Glu Ala Gln Leu Lys Ala Ser Gly Ser Ile Ser Gln Gln Asp Thr Ser
65 70 75 80
Gly Glu Lys Leu Ser Leu Lys Gln Lys Ile Glu Lys Phe Thr Arg Lys
85 90 95
Asn Ile Trp Ala Ser Leu Leu Gly Lys Asn Trp Glu Glu His Ser Val
100 105 110
Lys Asp Lys His Asn Thr Lys Glu Arg His Leu Ser Arg Asn Pro Arg
115 120 125
Val Glu Arg Pro Cys Lys Ser Ser Lys Gly Asn Lys Arg Gly Arg Thr
130 135 140
Phe Arg Lys Thr Arg Asn Cys Asn Arg His Leu Arg Arg
145 150 155 157

<210> 1444
<211> 53
<212>Amino acid
<213> Homo sapiens

<400> 1444
Cys Val Cys Gly Phe Phe Val Cys Phe Glu Thr Lys Ser Cys Phe Val
1 5 10 15
Ala Gln Ala Gly Val Gln Trp His Asn Leu Ser Ser Leu Gln Ala Leu
20 25 30
Pro Pro Gly Phe Lys Gln Phe Ser Cys Leu Ser Leu Leu Ser Ser Trp
35 40 45
His Tyr Arg Arg Val
50 53

<210> 1445
<211> 106
<212>Amino acid
<213> Homo sapiens

<400> 1445

Gly Thr Arg Leu Arg Arg Arg Glu Ala Val Trp Phe Glu Val Val
 1 5 10 15
 Asn Met Asp Phe Ser Arg Leu His Met Tyr Ser Pro Pro Gln Cys Val
 20 25 30
 Pro Glu Asn Thr Gly Tyr Thr Ala Leu Ser Ser Ser Tyr Ser Ser
 35 40 45
 Asp Ala Leu Asp Phe Glu Thr Glu His Lys Leu Asp Pro Val Phe Asp
 50 55 60
 Ser Pro Arg Met Ser Arg Arg Ser Leu Arg Leu Ala Thr Thr Ala Cys
 65 70 75 80
 Thr Leu Gly Asp Gly Glu Ala Val Gly Ala Asp Ser Gly Thr Ser Ser
 85 90 95
 Ala Val Ser Leu Lys Asn Arg Ala Ala Arg
 100 105 106

<210> 1446
<211> 95
<212>Amino acid
<213> Homo sapiens

<400> 1446
Asp Thr Met Gln Ala Val Val Pro Leu Asn Lys Met Thr Ala Ile Ser
 1 5 10 15
 Pro Glu Pro Gln Thr Leu Ala Ser Thr Glu Gln Asn Glu Val Pro Arg
 20 25 30
 Val Val Thr Ser Gly Glu Gln Glu Ala Ile Leu Arg Gly Asn Ala Ala
 35 40 45
 Asp Ala Glu Ser Phe Arg Gln Arg Phe Arg Trp Phe Cys Tyr Ser Glu
 50 55 60
 Val Ala Gly Pro Arg Lys Ala Leu Ser Gln Leu Trp Glu Leu Cys Asn
 65 70 75 80
 Gln Trp Leu Arg Pro Asp Ile His Thr Lys Glu Gln Ile Leu Glu
 85 90 95

<210> 1447
<211> 127
<212>Amino acid
<213> Homo sapiens

<400> 1447
Pro Ile Cys Leu Phe Ser Arg Pro Thr Leu Arg Pro Ser Arg Ser Lys
 1 5 10 15
 Val Ser Leu Ile Glu Gly Arg Gly Ala Asn Met Ala Ala Arg Trp Arg
 20 25 30
 Phe Trp Cys Val Ser Val Thr Met Val Val Ala Leu Leu Ile Val Cys
 35 40 45
 Asp Val Pro Ser Ala Ser Ala Gln Arg Lys Lys Glu Met Val Leu Ser
 50 55 60
 Glu Lys Val Ser Gln Leu Met Glu Trp Thr Asn Lys Arg Pro Val Ile
 65 70 75 80
 Arg Met Asn Gly Asp Lys Phe Arg Arg Leu Val Lys Ala Pro Pro Arg
 85 90 95
 Asn Tyr Ser Val Ile Val Met Phe Thr Ala Leu Gln Leu His Arg Gln
 100 105 110

Cys Val Val Cys Lys Tyr Glu Leu Gln Leu Arg Phe Lys Ile Lys
 115 120 125 127

<210> 1448
<211> 143
<212>Amino acid
<213> Homo sapiens

<400> 1448
Gln Met Arg Val Lys Asp Pro Thr Lys Ala Leu Pro Glu Lys Ala Lys
 1 5 10 15
Arg Ser Lys Arg Pro Thr Val Pro His Asp Glu Asp Ser Ser Asp Asp
 20 25 30
Ile Ala Val Gly Leu Thr Cys Gln His Val Ser His Ala Ile Ser Val
 35 40 45
Asn His Val Lys Arg Ala Ile Ala Glu Asn Leu Trp Ser Val Cys Ser
 50 55 60
Glu Cys Leu Lys Glu Arg Arg Phe Tyr Asp Gly Gln Leu Val Leu Thr
 65 70 75 80
Ser Asp Ile Trp Leu Cys Leu Lys Cys Gly Phe Gln Gly Cys Gly Lys
 85 90 95
Asn Ser Glu Ser Gln His Ser Leu Lys His Phe Lys Ser Ser Arg Thr
 100 105 110
Glu Pro His Cys Ile Ile Ile Asn Leu Ser Thr Trp Ile Ile Trp Trp
 115 120 125
Tyr Glu Trp Asp Glu Lys Ile Phe Thr Pro Leu Asn Lys Lys Gly
 130 135 140 143

<210> 1449
<211> 121
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(121)
<223> X = any amino acid or stop code

<400> 1449
Ala Lys Glu Arg Gly Glu Glu Arg Gln Gly Glu Gly Gly Trp Leu
 1 5 10 15
Ser Gly Ser Arg Trp Pro Leu Val Arg Ser Ala Phe Val Pro Ala Pro
 20 25 30
Ser Ser Leu Ile Leu Ser Met Cys Leu Ser Pro Gly Ile Pro Glu Ala
 35 40 45
Ala Pro Asp Ser Pro Leu Thr Ala Ser Ala Pro Thr Pro Xaa Val Met
 50 55 60
Leu Leu Gly Asp Thr Gly Val Gly Lys Thr Cys Phe Leu Ile Gln Phe
 65 70 75 80
Lys Asp Gly Ala Phe Leu Ser Gly Thr Phe Ile Ala Thr Val Gly Ile
 85 90 95
Asp Phe Arg Val Arg Trp Leu Gln Ala Leu Ala Ser Ser Arg Glu Pro
 100 105 110
Gly Leu Trp Leu Arg His Gly Gly Val

115

120 121

<210> 1450
<211> 76
<212>Amino acid
<213> Homo sapiens

<400> 1450
Phe Tyr Pro Arg Ser Ser Ala Asp Leu Pro Phe Gln Thr Thr Arg Cys
1 5 10 15
Glu Phe Gln Thr Ser Val Met Glu Leu Ala His Ser Leu Leu Leu Asn
20 25 30
Glu Glu Ala Leu Ala Gln Ile Thr Glu Ala Lys Arg Pro Val Phe Ile
35 40 45
Phe Glu Trp Leu Arg Phe Leu Asp Lys Val Leu Val Ala Ala Asn Lys
50 55 60
Val Trp Tyr Cys Ser Phe Phe Pro Val Ala Leu Thr
65 70 75 76

<210> 1451
<211> 95
<212>Amino acid
<213> Homo sapiens

<400> 1451
Met Asn Met Lys Gln Lys Ser Val Tyr Gln Gln Thr Lys Ala Leu Leu
1 5 10 15
Cys Lys Asn Phe Leu Lys Lys Trp Arg Met Lys Arg Glu Ser Leu Leu
20 25 30
Glu Trp Gly Leu Ser Ile Leu Gly Leu Cys Ile Ala Leu Phe Ser
35 40 45
Ser Ser Met Arg Asn Val Gln Phe Pro Gly Met Ala Pro Gln Asn Leu
50 55 60
Gly Arg Val Asp Lys Phe Asn Ser Ser Ser Leu Met Val Val Tyr Thr
65 70 75 80
Pro Ile Ser Asn Leu Thr Gln Gln Ile Met Asn Lys Thr Ala Leu
85 90 95

<210> 1452
<211> 174
<212>Amino acid
<213> Homo sapiens

<400> 1452
Ser Pro Gln Gly Asn Gly Cys Pro Asp Val Thr Gly Asp Ser Val Ile
1 5 10 15
Arg Val Pro Leu Thr Leu Leu Val His Asn Leu Ala Gly Leu Thr Gly
20 25 30
Leu Leu His His Cys Leu Ser Gly Pro Leu Pro Ala Pro Ser Pro Pro

35	40	45
Pro Ala Met Ser Ser Ser Arg Lys Asp His Leu Gly Ala Ser Ser Ser		
50	55	60
Glu Pro Leu Pro Val Ile Ile Val Gly Asn Gly Pro Ser Gly Ile Cys		
65	70	75
Leu Ser Tyr Leu Leu Ser Gly Tyr Thr Pro Tyr Thr Lys Pro Asp Ala		
85	90	95
Ile His Pro His Pro Leu Leu Gln Arg Lys Leu Thr Glu Ala Pro Gly		
100	105	110
Val Ser Ile Leu Asp Gln Asp Leu Asp Tyr Leu Ser Glu Gly Leu Glu		
115	120	125
Gly Arg Ser Gln Ser Pro Val Ala Leu Leu Phe Asp Ala Leu Leu Arg		
130	135	140
Pro Asp Thr Asp Phe Gly Gly Asn Met Lys Ser Val Leu Thr Trp Lys		
145	150	155
His Arg Lys Glu His Ala Ile Pro His Val Val Leu Gly Arg		
165	170	174

<210> 1453
 <211> 518
 <212>Amino acid
 <213> Homo sapiens

<400> 1453		
Asn Arg Arg Thr Arg Ala Gln Arg Cys Gln Arg Gly Arg Ser Cys Gly		
1	5	10
Ala Arg Glu Glu Glu Val Glu Pro Gly Thr Ala Arg Pro Pro Pro Ala		
20	25	30
Ala Ser Ala Met Asp Ala Ser Leu Glu Lys Ile Ala Asp Pro Thr Leu		
35	40	45
Ala Glu Met Gly Lys Asn Leu Lys Glu Ala Val Lys Met Leu Glu Asp		
50	55	60
Ser Gln Arg Arg Thr Glu Glu Glu Asn Gly Lys Lys Leu Ile Ser Gly		
65	70	75
Asp Ile Pro Gly Pro Leu Gln Gly Ser Gly Gln Asp Met Val Ser Ile		
85	90	95
Leu Gln Leu Val Gln Asn Leu Met His Gly Asp Glu Asp Glu Pro		
100	105	110
Gln Ser Pro Arg Ile Gln Asn Ile Gly Glu Gln Gly His Met Ala Leu		
115	120	125
Leu Gly His Ser Leu Gly Ala Tyr Ile Ser Thr Leu Asp Lys Glu Lys		
130	135	140
Leu Arg Lys Leu Thr Thr Arg Ile Leu Ser Asp Thr Thr Leu Trp Leu		
145	150	155
Cys Arg Ile Phe Arg Tyr Glu Asn Gly Cys Ala Tyr Phe His Glu Glu		
165	170	175
Glu Arg Glu Gly Leu Ala Lys Ile Cys Arg Leu Ala Ile His Ser Arg		
180	185	190
Tyr Glu Asp Phe Val Val Asp Gly Phe Asn Val Leu Tyr Asn Lys Lys		
195	200	205
Pro Val Ile Tyr Leu Ser Ala Ala Ala Arg Pro Gly Leu Gly Gln Tyr		
210	215	220
Leu Cys Asn Gln Leu Gly Leu Pro Phe Pro Cys Leu Cys Arg Val Pro		
225	230	235
Cys Asn Thr Val Phe Gly Ser Gln His Gln Met Asp Val Ala Phe Leu		
245	250	255
Glu Lys Leu Ile Lys Asp Asp Ile Glu Arg Gly Arg Leu Pro Leu Leu		
260	265	270
Leu Val Ala Asn Ala Gly Thr Ala Ala Val Gly His Thr Asp Lys Ile		

275	280	285
Gly Arg Leu Lys Glu Leu Cys Glu Gln Tyr Gly Ile Trp Leu His Val		
290	295	300
Glu Gly Val Asn Leu Ala Thr Leu Ala Leu Gly Tyr Val Ser Ser Ser		
305	310	315
Val Leu Ala Ala Ala Lys Cys Asp Ser Met Thr Met Thr Pro Gly Pro		
325	330	335
Trp Leu Gly Leu Pro Ala Val Pro Ala Val Thr Leu Tyr Lys His Asp		
340	345	350
Asp Pro Ala Leu Thr Leu Val Ala Gly Leu Thr Ser Asn Lys Pro Thr		
355	360	365
Asp Lys Leu Arg Ala Leu Pro Leu Trp Leu Ser Leu Gln Tyr Leu Gly		
370	375	380
Leu Asp Gly Phe Val Glu Arg Ile Lys His Ala Cys Gln Leu Ser Gln		
385	390	395
Arg Leu Gln Glu Ser Leu Lys Lys Val Asn Tyr Ile Lys Ile Leu Val		
405	410	415
Glu Asp Glu Leu Ser Ser Pro Val Val Val Phe Arg Phe Phe Gln Glu		
420	425	430
Leu Pro Gly Ser Asp Pro Val Phe Lys Ala Val Pro Val Pro Asn Met		
435	440	445
Thr Pro Ser Gly Val Gly Arg Glu Arg His Ser Cys Asp Ala Leu Asn		
450	455	460
Arg Trp Leu Gly Glu Gln Leu Lys Gln Leu Val Pro Ala Ser Gly Leu		
465	470	475
Thr Val Met Asp Leu Glu Ala Glu Gly Thr Cys Leu Arg Phe Ser Pro		
485	490	495
Leu Met Thr Ala Ala Gly Lys Pro Gly Leu Val Asp Ile Pro Cys Phe		
500	505	510
Cys Ser Gly Ala Ala Gly		
515	518	

<210> 1454
 <211> 185
 <212>Amino acid
 <213> Homo sapiens

<400> 1454															
Leu	Cys	Ile	Met	Asp	Thr	Lys	Glu	Glu	Lys	Glu	Arg	Lys	Gln	Ser	
1							5		10			15			
Tyr	Phe	Ala	Arg	Leu	Lys	Lys	Lys	Gln	Ala	Lys	Gln	Asn	Ala	Glu	
									20	25		30			
Thr	Ala	Ser	Ala	Val	Ala	Thr	Arg	Thr	His	Thr	Gly	Lys	Glu	Asp	Asn
							35	40		45					
Asn	Thr	Val	Val	Leu	Glu	Pro	Asp	Lys	Cys	Asn	Ile	Ala	Val	Glu	Glu
							50	55		60					
Glu	Tyr	Met	Thr	Asp	Glu	Lys	Lys	Arg	Lys	Ser	Asn	Gln	Leu	Lys	
							65	70		75		80			
Glu	Ile	Arg	Arg	Thr	Glu	Leu	Lys	Arg	Tyr	Tyr	Ser	Ile	Asp	Asp	Asn
							85		90		95				
Gln	Asn	Lys	Thr	His	Asp	Lys	Lys	Glu	Lys	Lys	Met	Val	Val	Gln	Lys
							100		105		110				
Pro	His	Gly	Thr	Met	Glu	Tyr	Thr	Ala	Gly	Asn	Gln	Asp	Thr	Leu	Asn
							115		120		125				
Ser	Ile	Ala	Leu	Lys	Phe	Asn	Ile	Thr	Pro	Asn	Lys	Leu	Val	Glu	Leu
							130		135		140				
Asn	Lys	Leu	Phe	Thr	His	Thr	Ile	Val	Pro	Gly	Gln	Val	Leu	Phe	Val
							145		150		155		160		
Pro	Asp	Ala	Asn	Ser	Pro	Ser	Ser	Thr	Leu	Arg	Leu	Ser	Ser	Ser	

165	170	175
Pro Gly Ala Thr Val Ser Pro Ser Ser		
180	185	

<210> 1455
<211> 206
<212>Amino acid
<213> Homo sapiens

<400> 1455

Ser Ala Gly Gly Asp Ser Cys Arg Ala Val Pro Met Leu Arg Phe Pro			
1	5	10	15
Thr Cys Phe Pro Ser Phe Arg Val Val Gly Glu Lys Gln Leu Pro Gln			
20	25	30	
Glu Ile Ile Phe Leu Val Trp Ser Pro Lys Arg Asp Leu Ile Ala Leu			
35	40	45	
Ala Asn Thr Ala Gly Glu Val Leu Leu His Arg Leu Ala Ser Phe His			
50	55	60	
Arg Val Trp Ser Phe Pro Pro Asn Glu Asn Thr Gly Lys Glu Val Thr			
65	70	75	80
Cys Leu Ala Trp Arg Pro Asp Gly Lys Leu Leu Ala Phe Ala Leu Ala			
85	90	95	
Asp Thr Lys Ile Val Leu Cys Asp Val Glu Lys Pro Glu Ser Leu			
100	105	110	
His Ser Phe Ser Val Glu Ala Pro Val Ser Cys Met His Trp Met Glu			
115	120	125	
Val Thr Val Glu Ser Ser Val Leu Thr Ser Phe Tyr Asn Ala Glu Asp			
130	135	140	
Glu Ser Asn Leu Leu Leu Pro Lys Leu Pro Thr Leu Pro Lys Asn Tyr			
145	150	155	160
Ser Asn Thr Ser Lys Ile Phe Ser Glu Glu Asn Ser Asp Glu Ile Ile			
165	170	175	
Lys Leu Leu Gly Asp Val Arg Leu Asn Ile Leu Val Leu Gly Gly Ser			
180	185	190	
Ser Gly Phe Ile Glu Leu Tyr Ala Tyr Gly Met Phe Lys Ile			
195	200	205	206

<210> 1456
<211> 100
<212>Amino acid
<213> Homo sapiens

<400> 1456

Pro Arg Asp Pro Val Thr Asp Arg Ala Arg Ala Met Pro Arg Arg Gly			
1	5	10	15
Leu Val Ala Gly Pro Asp Leu Glu Tyr Phe Gln Arg His Tyr Phe Thr			
20	25	30	
Pro Ala Glu Val Ala Gln His Asn Arg Pro Glu Asp Leu Trp Val Ser			
35	40	45	
Tyr Leu Gly Arg Val Tyr Asp Leu Thr Ser Leu Ala Gln Glu Tyr Lys			
50	55	60	
Gly Asn Leu Leu Leu Lys Pro Ile Val Glu Val Ala Gly Gln Asp Ile			
65	70	75	80
Ser His Trp Phe Asp Pro Lys Thr Arg Asp Val Ser Tyr Ala Gly Thr			

85	90	95
Trp Asp Cys Gly		
100		

<210> 1457
<211> 159
<212>Amino acid
<213> Homo sapiens

<400> 1457

Arg Ile Pro Gly Arg Arg Phe Arg Ala Ala Phe Val Leu Gly Ser Ala			
1	5	10	15
Asn Val Ala Ser Ser Val Arg Leu Arg Cys Ser Phe Pro Leu Ser Leu			
20		25	30
Gly Gly Pro Ser Gly Pro Ala Ala Ala Ser Val Ala Leu Gly Pro Ala			
35	40	45	
Gly Pro Gly Arg Ser Leu Gly Arg Thr Pro Asp Thr Gly Asp Trp Glu			
50	55	60	
Met Asp Ser Val Ser Phe Glu Asp Val Ala Val Ala Phe Thr Gln Glu			
65	70	75	80
Glu Trp Ala Leu Leu Asp Pro Ser Gln Lys Asn Leu Tyr Arg Asp Val			
85		90	95
Met Gln Glu Ile Phe Arg Asn Leu Ala Ser Val Gly Asn Lys Ser Glu			
100		105	110
Asp Gln Asn Ile Gln Asp Asp Phe Lys Asn Pro Gly Arg Asn Leu Ser			
115		120	125
Ser His Val Val Glu Arg Leu Phe Glu Ile Lys Glu Gly Ser Gln Tyr			
130	135	140	
Gly Glu Thr Phe Ser Gln Asp Ser Asn Leu Asn Leu Asn Lys Ile			
145	150	155	159

<210> 1458
<211> 154
<212>Amino acid
<213> Homo sapiens

<400> 1458

Ser Leu Ser Leu Ser Val Ser Pro Phe Leu Arg Leu Ser Leu Gly Arg			
1	5	10	15
Val Gly Gly Met Ala Glu Glu Met Glu Ser Ser Leu Glu Ala Ser Phe			
20		25	30
Ser Ser Ser Gly Ala Val Ser Gly Ala Ser Gly Phe Leu Pro Pro Ala			
35	40	45	
Arg Ser Arg Ile Phe Lys Ile Ile Val Ile Gly Asp Ser Asn Val Gly			
50	55	60	
Lys Thr Cys Leu Thr Tyr Arg Phe Cys Ala Gly Arg Phe Pro Asp Arg			
65	70	75	80
Thr Glu Ala Thr Ile Gly Val Asp Phe Arg Glu Arg Ala Val Glu Ile			
85		90	95
Asp Gly Glu Arg Ile Lys Ile Gln Leu Trp Asp Thr Ala Gly Gln Glu			
100	105	110	
Arg Phe Arg Lys Ser Met Val Gln His Tyr Tyr Arg Asn Val His Ala			
115	120	125	
Val Val Phe Val Tyr Asp Met Thr Asn Met Ala Ser Phe His Ser Leu			

130	135	140
Pro Ser Trp Ile Glu Glu Cys Lys Gln His		
145	150	154

<210> 1459
<211> 136
<212>Amino acid
<213> Homo sapiens

<400> 1459

Arg Arg Pro Ser Pro Gly Ser Ile Val Ile Met Ala Ala Glu Ser Asp			
1	5	10	15
Val Leu His Phe Gln Phe Glu Gln Gln Gly Asp Val Val Leu Gln Lys			
20	25	30	
Met Asn Leu Leu Arg Gln Gln Asn Leu Phe Cys Asp Val Ser Ile Tyr			
35	40	45	
Ile Asn Asp Thr Glu Phe Gln Gly His Lys Val Ile Leu Ala Ala Cys			
50	55	60	
Ser Thr Phe Met Arg Asp Gln Phe Leu Leu Thr Gln Ser Lys His Val			
65	70	75	80
Arg Ile Thr Ile Leu Gln Ser Ala Glu Val Gly Arg Lys Leu Leu Leu			
85	90	95	
Ser Cys Tyr Thr Gly Ala Leu Glu Val Lys Arg Lys Glu Leu Leu Lys			
100	105	110	
Tyr Leu Thr Ala Ala Ser Tyr Leu Gln Met Val His Ile Ala Glu Lys			
115	120	125	
Arg Thr Glu Ala Phe Val Lys Phe			
130	135	136	

<210> 1460
<211> 219
<212>Amino acid
<213> Homo sapiens

<400> 1460

Ala Glu Gly Leu Gln Ser Ala Ala Gly Ile Arg Ile Asp Thr Lys Ala			
1	5	10	15
Gly Pro Pro Glu Met Leu Lys Pro Leu Trp Lys Ala Ala Val Ala Pro			
20	25	30	
Thr Trp Pro Cys Ser Met Pro Pro Arg Arg Pro Trp Asp Arg Gln Ala			
35	40	45	
Gly Thr Leu Gln Val Leu Gly Ala Leu Ala Val Leu Trp Leu Gly Ser			
50	55	60	
Val Ala Leu Ile Cys Leu Leu Trp Gln Val Pro Arg Pro Pro Thr Trp			
65	70	75	80
Gly Gln Val Gln Pro Lys Asp Val Pro Arg Ser Trp Glu His Gly Ser			
85	90	95	
Ser Pro Ala Trp Glu Pro Leu Glu Ala Glu Ala Arg Gln Gln Arg Asp			
100	105	110	
Ser Cys Gln Leu Val Leu Val Glu Ser Ile Pro Gln Asp Leu Pro Ser			
115	120	125	
Ala Ala Gly Ser Pro Ser Ala Gln Pro Leu Gly Gln Ala Trp Leu Gln			
130	135	140	
Leu Leu Asp Thr Ala Gln Glu Ser Val His Val Ala Ser Tyr Tyr Trp			

145	150	155	160
Ser Leu Thr Gly Pro Asp Ile Gly Val Asn Asp Ser Ser Ser Gln Leu			
165	170	175	
Gly Glu Ala Leu Leu Gln Lys Leu Gln Gln Leu Leu Gly Arg Asn Ile			
180	185	190	
Ser Leu Ala Val Ala Thr Ser Ser Pro Thr Leu Ala Arg Thr Ser Thr			
195	200	205	
Asp Leu Gln Val Leu Ala Ala Arg Gly Ala His			
210	215	219	

<210> 1461
<211> 80
<212>Amino acid
<213> Homo sapiens

<400> 1461			
Arg Lys Lys Lys Met Pro Leu Pro Phe Gly Leu Lys Leu Lys Arg Thr			
1	5	10	15
Arg Arg Tyr Thr Val Ser Ser Lys Ser Cys Leu Val Ala Arg Ile Gln			
20	25	30	
Leu Leu Asn Asn Glu Phe Val Glu Phe Thr Leu Ser Val Glu Ser Thr			
35	40	45	
Gly Gln Glu Ser Leu Glu Ala Val Ala Gln Arg Leu Glu Leu Arg Glu			
50	55	60	
Val Thr Tyr Phe Ser Leu Trp Tyr Tyr Asn Lys Gln Asn Gln Arg Arg			
65	70	75	80

<210> 1462
<211> 176
<212>Amino acid
<213> Homo sapiens

<400> 1462			
Leu Gln Pro Leu Ser Ser Trp Glu Ser Ala Ser Glu Val Thr Arg Ser			
1	5	10	15
Pro Val Ser Pro Glu Asp Val Lys Gln Ala Thr Ser Asn Phe Glu Asn			
20	25	30	
Leu Gln Lys Gln Leu Ala Arg Lys Met Lys Leu Pro Ile Phe Ile Ala			
35	40	45	
Asp Ala Phe Thr Ala Arg Ala Phe Arg Gly Asn Pro Ala Ala Val Cys			
50	55	60	
Leu Leu Glu Asn Glu Leu Asp Glu Asp Met His Gln Lys Ile Ala Arg			
65	70	75	80
Glu Met Asn Leu Ser Glu Thr Ala Phe Ile Arg Lys Leu His Pro Thr			
85	90	95	
Asp Asn Phe Ala Gln Ser Ser Cys Phe Gly Leu Arg Trp Phe Thr Pro			
100	105	110	
Ala Ser Glu Val Pro Leu Cys Gly His Ala Thr Leu Ala Ser Ala Ala			
115	120	125	
Val Leu Phe His Lys Ile Lys Asn Met Asn Ser Thr Leu Thr Phe Val			
130	135	140	
Thr Leu Ser Gly Glu Leu Arg Ala Arg Arg Ala Glu Asp Gly Ile Val			

145	150	155	160
Leu Asp Leu Pro Leu Tyr Pro Ala His Pro Gln Asp Phe His Glu		*	
165		170	175

<210> 1463
<211> 150
<212>Amino acid
<213> Homo sapiens

<400> 1463			
Ala Ala Asp Thr Met Gln Ser Asp Asp Val Ile Trp Asp Thr Leu Gly			
1	5	10	15
Asn Lys Gln Phe Cys Ser Phe Lys Ile Arg Thr Lys Thr Gln Ser Phe			
20	25	30	
Cys Arg Asn Glu Tyr Ser Leu Thr Gly Leu Cys Asn Arg Ser Ser Cys			
35	40	45	
Pro Leu Ala Asn Ser Gln Tyr Ala Thr Ile Lys Glu Glu Lys Gly Gln			
50	55	60	
Cys Tyr Leu Tyr Met Lys Val Ile Glu Arg Ala Ala Phe Pro Arg Arg			
65	70	75	80
Leu Trp Glu Arg Val Arg Leu Ser Lys Asn Tyr Glu Lys Ala Leu Glu			
85	90	95	
Gln Ile Asp Glu Asn Leu Ile Tyr Trp Pro Arg Phe Ile Arg His Lys			
100	105	110	
Cys Lys Gln Arg Phe Thr Lys Ile Thr Gln Tyr Leu Ile Arg Ile Arg			
115	120	125	
Lys Leu Thr Leu Lys Arg Gln Arg Lys Leu Val Pro Leu Ser Lys Lys			
130	135	140	
Val Glu Arg Arg Glu Lys			
145	150		

<210> 1464
<211> 86
<212>Amino acid
<213> Homo sapiens

<400> 1464			
Phe Val Glu Arg Gly Leu Gly Asp Pro Ala Leu Pro Thr Leu Met Phe			
1	5	10	15
Glu Glu Pro Glu Trp Ala Glu Ala Ala Pro Val Ala Ala Gly Leu Gly			
20	25	30	
Pro Val Ile Ser Arg Pro Pro Ala Ala Ser Ser Gln Asn Lys Val			
35	40	45	
Ser Asp Ser Arg Glu Gln Trp Glu Leu Phe Gln Ala Ala Lys Arg Thr			
50	55	60	
Leu Val Asp Pro Ser Ala Val Cys Ile Ala Gly Arg Asp Thr Cys Gly			
65	70	75	80
Thr Val Lys Gly Glu Ser			
85	86		

<210> 1465
<211> 286
<212>Amino acid

<213> Homo sapiens

<400> 1465

Val	Val	Glu	Phe	Leu	Trp	Ser	Arg	Arg	Pro	Ser	Gly	Ser	Ser	Asp	Pro
1				5					10					15	
Arg	Pro	Arg	Arg	Pro	Ala	Ser	Lys	Cys	Gln	Met	Met	Glu	Glu	Arg	Ala
					20				25			30			
Asn	Leu	Met	His	Met	Met	Lys	Leu	Ser	Ile	Lys	Val	Leu	Leu	Gln	Ser
					35				40			45			
Ala	Leu	Ser	Leu	Gly	Arg	Ser	Leu	Asp	Ala	Asp	His	Ala	Pro	Leu	Gln
					50			55			60				
Gln	Phe	Phe	Val	Val	Met	Glu	His	Cys	Leu	Lys	His	Gly	Leu	Lys	Val
					65		70		75			80			
Lys	Lys	Ser	Phe	Ile	Gly	Gln	Asn	Lys	Ser	Phe	Phe	Gly	Pro	Leu	Glu
					85			90				95			
Leu	Val	Glu	Lys	Leu	Cys	Pro	Glu	Ala	Ser	Asp	Ile	Ala	Thr	Ser	Val
					100			105			110				
Arg	Asn	Leu	Pro	Glu	Leu	Lys	Thr	Ala	Val	Gly	Arg	Gly	Arg	Ala	Trp
					115			120			125				
Leu	Tyr	Leu	Ala	Leu	Met	Gln	Lys	Lys	Leu	Ala	Asp	Tyr	Leu	Lys	Val
					130		135		140						
Leu	Ile	Asp	Asn	Lys	His	Leu	Leu	Ser	Glu	Phe	Tyr	Glu	Pro	Glu	Ala
					145		150		155			160			
Leu	Met	Met	Glu	Glu	Gly	Met	Val	Ile	Val	Gly	Leu	Leu	Val	Gly	
					165			170			175				
Leu	Asn	Val	Leu	Asp	Ala	Asn	Leu	Cys	Leu	Lys	Gly	Glu	Asp	Leu	Asp
					180			185			190				
Ser	Gln	Val	Gly	Val	Ile	Asp	Phe	Ser	Leu	Tyr	Leu	Lys	Asp	Val	Gln
					195			200			205				
Asp	Leu	Asp	Gly	Gly	Lys	Glu	His	Glu	Arg	Ile	Thr	Asp	Val	Leu	Asp
					210		215		220						
Gln	Lys	Asn	Tyr	Val	Glu	Glu	Leu	Asn	Arg	His	Leu	Ser	Cys	Thr	Val
					225		230		235			240			
Gly	Asp	Leu	Gln	Thr	Lys	Ile	Asp	Gly	Leu	Glu	Lys	Thr	Asn	Ser	Lys
					245			250			255				
Leu	Gln	Glu	Arg	Val	Ser	Ala	Ala	Thr	Asp	Arg	Ile	Cys	Ser	Leu	Gln
					260			265			270				
Glu	Glu	Gln	Gln	Gln	Leu	Arg	Glu	Gln	Asn	Glu	Leu	Ile	Arg		
					275			280			285	286			

<210> 1466

<211> 127

<212>Amino acid

<213> Homo sapiens

<400> 1466

Gly	Cys	Tyr	Ala	Pro	Ser	Pro	His	Leu	Gly	Gly	Ser	Leu	Thr	Pro	Arg
1				5					10				15		
Phe	Phe	Pro	Asn	Gly	Val	Phe	His	Arg	Arg	Leu	Pro	Arg	Pro	Arg	Pro
					20			25			30				
Pro	Gln	Pro	Pro	Ser	Val	Ser	Ser	Ala	Pro	Thr	Leu	Arg	Pro	Leu	Cys
					35			40			45				
Ala	His	Phe	Ser	Leu	Gly	Lys	Leu	Arg	Leu	Arg	Val	Arg	Lys	Ser	Ala
					50			55			60				
Glu	Val	Ala	Pro	Pro	Arg	Thr	Glu	Lys	Gly	Trp	Gly	Ser	Ala	Glu	Pro

65	70	75	80
Arg His Ser Arg Ala Pro Leu Gly Leu Gln Gly Leu Arg Met Ala Ala			
85	90	95	
Ser Ala Gln Val Ser Val Thr Phe Glu Asp Val Ala Val Thr Phe Thr			
100	105	110	
Gln Glu Glu Trp Gly Gln Leu Asp Ala Ala Gln Arg Thr Leu Tyr			
115	120	125	127

<210> 1467
<211> 146
<212>Amino acid
<213> Homo sapiens

<400> 1467			
Phe Arg Gly Ser Leu Ser Ser Pro Ser Ser Leu Arg Gly Arg Arg Leu			
1	5	10	15
Val Thr Gly Gln Thr Ser Pro Arg Gly Thr Trp Cys Leu Tyr Pro Gly			
20	25	30	
Phe Cys Arg Ser Val Ala Cys Ala Met Pro Cys Cys Ser His Arg Ser			
35	40	45	
Cys Arg Glu Asp Pro Gly Thr Ser Glu Ser Arg Glu Met Asp Pro Val			
50	55	60	
Val Phe Glu Asp Val Ala Val Asn Phe Thr Gln Glu Glu Trp Thr Leu			
65	70	75	80
Leu Asp Ile Ser Gln Lys Asn Leu Phe Arg Glu Val Met Leu Glu Thr			
85	90	95	
Phe Arg Asn Leu Thr Ser Ile Gly Lys Lys Trp Ser Asp Gln Asn Ile			
100	105	110	
Glu Tyr Glu Tyr Gln Asn Pro Arg Arg Ser Phe Arg Ser Leu Ile Glu			
115	120	125	
Glu Lys Val Asn Glu Ile Lys Glu Asp Ser His Cys Gly Glu Thr Phe			
130	135	140	
Thr Gln			
145 146			

<210> 1468
<211> 44
<212>Amino acid
<213> Homo sapiens

<400> 1468			
Leu Asn Phe Ala Asn Ser Ala Ala Phe Ala Val Thr Met Pro Gln Asn			
1	5	10	15
Glu Tyr Ile Glu Leu His Arg Lys Arg Tyr Gly Phe Arg Leu Asp Tyr			
20	25	30	
His Glu Lys Lys Arg Lys Lys Gln Ser Arg Glu Ala			
35	40	44	

<210> 1469
<211> 198
<212>Amino acid
<213> Homo sapiens

<400> 1469

Ser Gly Asp Leu Ser Pro Ala Glu Leu Met Met Leu Thr Ile Gly Asp
 1 5 10 15
 Val Ile Lys Gln Leu Ile Glu Ala His Glu Gln Gly Lys Asp Ile Asp
 20 25 30
 Leu Asn Lys Val Lys Thr Lys Thr Ala Ala Lys Tyr Gly Leu Ser Ala
 35 40 45
 Gln Pro Arg Leu Val Asp Ile Ile Ala Ala Val Pro Pro Gln Tyr Arg
 50 55 60
 Lys Val Leu Met Pro Lys Leu Lys Ala Lys Pro Ile Arg Thr Ala Ser
 65 70 75 80
 Gly Ile Ala Val Val Ala Val Met Cys Lys Pro His Arg Cys Pro His
 85 90 95
 Ile Ser Phe Thr Gly Asn Ile Cys Val Tyr Cys Pro Gly Gly Pro Asp
 100 105 110
 Ser Asp Phe Glu Tyr Ser Thr Gln Ser Tyr Thr Gly Tyr Glu Pro Thr
 115 120 125
 Ser Met Arg Ala Ile Arg Ala Arg Tyr Asp Pro Phe Leu Gln Thr Arg
 130 135 140
 His Arg Ile Glu Gln Leu Lys Gln Leu Gly His Ser Val Asp Lys Val
 145 150 155 160
 Glu Phe Ile Glu Met Gly Gly Thr Phe Met Ala Leu Pro Glu Glu Tyr
 165 170 175
 Arg Asp Tyr Phe Ile Arg Asn Leu His Asp Ala Leu Ser Gly His Thr
 180 185 190
 Ser Asn Asn Ile Tyr Glu
 195 198

<210> 1470

<211> 178
<212> Amino acid
<213> Homo sapiens

<400> 1470

Trp Glu Ser Asp Val Gly Glu Gly Leu Arg Pro Pro Pro Pro Pro
 1 5 10 15
 Pro Pro Gly Arg Arg Arg Thr Gln Glu Pro Arg Ala Arg Asp Ala Ala
 20 25 30
 Thr Val Ile Phe Ala Cys Pro Ala Ala Leu Leu Glu Thr Leu Ile Ala
 35 40 45
 Tyr Gly Ser Ser Ser Pro Ser Phe Cys Lys His Arg Ala Ala Arg Pro
 50 55 60
 Leu Ile Phe Leu Leu His Arg Leu Thr Ala Glu Ala Thr Ala Arg Cys
 65 70 75 80
 Pro Ile Cys Ala Leu Glu Ala Arg Asn Pro Gly Arg Trp Gly Ile Cys
 85 90 95
 Ala Ser Trp Pro Gly Met Lys Thr Pro Phe Gly Lys Ala Ala Gly
 100 105 110
 Gln Arg Ser Arg Thr Gly Ala Gly His Gly Ser Val Ser Val Thr Met
 115 120 125
 Ile Lys Arg Lys Ala Ala His Lys Lys His Arg Ser Arg Pro Thr Ser
 130 135 140
 Gln Pro Arg Gly Asn Ile Val Gly Cys Ile Ile Gln His Gly Trp Lys
 145 150 155 160
 Asp Gly Asp Glu Pro Leu Thr Gln Trp Lys Gly Thr Val Leu Asp Gln

165	170	175
Leu Leu		
178		

<210> 1471
<211> 253
<212>Amino acid
<213> Homo sapiens

<400> 1471

Arg Asp Leu Gly Val Ala Leu Glu Ala Phe Gln Trp Ala Arg Ala Gly	15	15	
1	5	10	
Asp Cys Gly Ser Gly Ala Gly Arg Ala Gly Gly Glu Gly Val Asp Ala			
20	25	30	
Gly Arg Arg Val Pro Glu Arg Gln His Arg Gly Arg Gly Gly Gly			
35	40	45	
Glu Pro Gly Arg Arg Gln Arg Gly Gly Arg Arg Gln Arg Ser Ser Ser			
50	55	60	
Arg Arg Ser Gly Gly Asp Gly Gly Asp Glu Val Glu Gly Ser Gly Val			
65	70	75	80
Gly Ala Gly Glu Gly Glu Thr Val Gln His Phe Pro Leu Ala Arg Pro			
85	90	95	
Lys Ser Leu Met Gln Lys Leu Gln Cys Ser Phe Gln Thr Ser Trp Leu			
100	105	110	
Lys Asp Phe Pro Trp Leu Arg Tyr Ser Lys Asp Thr Gly Leu Met Ser			
115	120	125	
Cys Gly Trp Cys Gln Lys Thr Pro Ala Asp Gly Gly Ser Val Asp Leu			
130	135	140	
Pro Pro Val Gly His Asp Glu Leu Ser Arg Gly Thr Arg Asn Tyr Lys			
145	150	155	160
Lys Thr Leu Leu Leu Arg His His Val Ser Thr Glu His Lys Leu His			
165	170	175	
Glu Ala Asn Ala Gln Glu Ser Glu Ile Pro Ser Glu Glu Gly Tyr Cys			
180	185	190	
Asp Phe Asn Ser Arg Pro Asn Glu Asn Ser Tyr Cys Tyr Gln Leu Leu			
195	200	205	
Arg Gln Leu Asn Glu Gln Arg Lys Lys Gly Ile Leu Cys Asp Val Ser			
210	215	220	
Ile Val Val Ser Gly Lys Ile Phe Lys Ala His Lys Asn Ile Leu Val			
225	230	235	240
Ala Gly Ser Arg Phe Phe Lys Thr Leu Tyr Cys Phe Ser			
245	250	253	

<210> 1472
<211> 147
<212>Amino acid
<213> Homo sapiens

<400> 1472

Ser Leu Arg Ala Ala Ala Ala Met Ala Asp Val Thr Ala Arg Ser Leu	15	15
1	5	10
Gln Tyr Glu Tyr Lys Ala Asn Ser Asn Leu Val Leu Gln Ala Asp Arg		
20	25	30
Ser Leu Ile Asp Arg Thr Arg Arg Asp Glu Pro Thr Gly Glu Val Leu		

35	40	45
Ser Leu Val Gly Lys Leu Glu Gly Thr Arg Met Gly Asp Lys Ala Gln		
50	55	60
Arg Thr Lys Pro Gln Met Gln Glu Glu Arg Arg Ala Lys Arg Arg Lys		
65	70	75
Arg Asp Glu Asp Arg His Asp Ile Asn Lys Met Lys Gly Tyr Thr Leu		
85	90	95
Leu Ser Glu Gly Ile Asp Glu Met Val Gly Ile Ile Tyr Lys Pro Lys		
100	105	110
Thr Lys Glu Thr Arg Glu Thr Tyr Glu Val Leu Leu Ser Phe Ile Gln		
115	120	125
Ala Ala Leu Gly Asp Gln Pro Arg Asp Ile Leu Cys Gly Ala Ala Asp		
130	135	140
Glu Val Leu		
145	147	

<210> 1473
<211> 139
<212>Amino acid
<213> Homo sapiens

<400> 1473		
Cys Asn Ser Ala Glu Ser Arg Met Asp Val Leu Phe Val Ala Ile Phe		
1	5	10
Ala Val Pro Leu Ile Leu Gly Gln Glu Tyr Glu Asp Glu Glu Arg Leu		
20	25	30
Gly Glu Asp Glu Tyr Tyr Gln Val Val Tyr Tyr Tyr Val Thr Pro		
35	40	45
Ser Tyr Asp Asp Phe Ser Ala Asp Phe Thr Ile Asp Tyr Ser Ile Phe		
50	55	60
Glu Ser Glu Asp Arg Leu Asn Arg Leu Asp Lys Asp Ile Thr Glu Ala		
65	70	75
Ile Glu Thr Thr Ile Ser Leu Glu Thr Ala Arg Ala Asp His Pro Lys		
85	90	95
Pro Val Thr Val Lys Pro Val Thr Thr Glu Pro Gln Ser Pro Asp Leu		
100	105	110
Asn Asp Ala Val Ser Ser Leu Arg Ser Pro Ile Pro Leu Leu Leu Ser		
115	120	125
Cys Ala Phe Val Gln Val Gly Met Tyr Phe Met		
130	135	139

<210> 1474
<211> 185
<212>Amino acid
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(185)
<223> X = any amino acid or stop code

<400> 1474		
Phe Val Arg Gly Pro Gly Glu Glu Gln Ala Pro Ala Phe Arg Lys Pro		
1	5	10
		15

Ala Pro Gly Ala Met Gly Ala Gln Val Arg Leu Pro Pro Gly Glu Pro
 20 25 30
 Cys Arg Glu Gly Tyr Val Leu Ser Leu Val Cys Pro Asn Ser Ser Gln
 35 40 45
 Ala Trp Cys Glu Ile Thr Asn Val Ser Gln Leu Leu Ala Ser Pro Val
 50 55 60
 Leu Tyr Thr Asp Leu Asn Tyr Ser Ile Asn Asn Leu Ser Ile Ser Ala
 65 70 75 80
 Asn Val Glu Asn Lys Tyr Ser Leu Tyr Val Gly Leu Val Leu Ala Val
 85 90 95
 Ser Ser Ser Ile Phe Ile Gly Ser Ser Phe Ile Leu Lys Lys Lys Gly
 100 105 110
 Leu Leu Gln Leu Ala Ser Lys Gly Phe Thr Arg Ala Gly Gln Gly Gly
 115 120 125
 His Ser Tyr Leu Lys Glu Trp Leu Trp Trp Val Gly Leu Leu Ser Ile
 130 135 140
 Leu Ser Trp Asn Ala Arg Glu Lys Val Asp Leu Xaa Asn Ile Thr Phe
 145 150 155 160
 Xaa Pro Gln Thr Ser Cys Ile Phe Phe Thr Ile Thr Ile Glu Lys Ser
 165 170 175
 Thr Phe Leu Ser Tyr Phe Pro Thr Ser
 180 185

<210> 1475
 <211> 91
 <212>Amino acid
 <213> Homo sapiens

<400> 1475
 Ala Arg Gly Ser Cys Pro Thr Arg Pro Arg Pro Ala Asn Gly Arg Met
 1 5 10 15
 Ala Glu Thr Lys Asp Ala Ala Gln Met Leu Val Thr Phe Lys Asp Val
 20 25 30
 Ala Val Thr Phe Thr Arg Glu Glu Trp Arg Gln Leu Asp Leu Ala Gln
 35 40 45
 Arg Thr Leu Tyr Arg Glu Val Met Leu Glu Thr Cys Gly Leu Leu Val
 50 55 60
 Ser Leu Gly His Arg Val Pro Lys Pro Glu Leu Val His Leu Leu Lys
 65 70 75 80
 His Gly Gln Glu Leu Trp Ile Val Lys Arg Gly
 85 90 91

<210> 1476
 <211> 159
 <212>Amino acid
 <213> Homo sapiens

<400> 1476
 Tyr Thr Met Leu Arg Gly Thr Met Thr Ala Trp Arg Gly Met Arg Pro
 1 5 10 15
 Glu Val Thr Leu Ala Cys Leu Leu Leu Ala Thr Ala Gly Cys Phe Ala
 20 25 30
 Asp Leu Asn Glu Val Pro Gln Val Thr Val Gln Pro Ala Ser Thr Val
 35 40 45

Gln Lys Pro Gly Gly Thr Val Ile Leu Gly Cys Val Val Glu Pro Pro
 50 55 60
 Arg Met Asn Val Thr Trp Arg Leu Asn Gly Lys Glu Leu Asn Gly Ser
 65 70 75 80
 Asp Asp Ala Leu Gly Val Leu Ile Thr His Gly Thr Leu Val Ile Thr
 85 90 95
 Ala Leu Asn Asn His Thr Val Gly Arg Tyr Gln Cys Val Ala Arg Met
 100 105 110
 Pro Ala Gly Ala Val Ala Ser Val Pro Ala Thr Val Thr Leu Ala Ser
 115 120 125
 Glu Ser Ala Pro Leu Pro Pro Cys His Gly Ala Val Pro Pro His Leu
 130 135 140
 Ser His Pro Glu Ala Pro Thr Ile His Ala Ala Ser Cys Tyr Ser
 145 150 155 159

<210> 1477
<211> 139
<212>Amino acid
<213> Homo sapiens

<400> 1477
Trp Gly Arg Arg Arg Gln Leu Val Ser Glu Ala Ala Arg Ala Gln Gly
 1 5 10 15
Asp Pro Val Cys Ser Thr Met Ser Glu Glu Glu Ala Ala Gln Ile Pro
 20 25 30
Arg Ser Ser Val Trp Glu Gln Asp Gln Gln Asn Val Val Gln Arg Val
 35 40 45
Val Ala Leu Pro Leu Val Arg Ala Thr Cys Thr Ala Val Cys Asp Val
 50 55 60
Tyr Ser Ala Ala Lys Asp Arg His Pro Leu Leu Gly Ser Ala Cys Arg
 65 70 75 80
Leu Ala Glu Asn Cys Val Cys Gly Leu Thr Thr Arg Ala Leu Asp His
 85 90 95
Ala Gln Pro Leu Leu Glu His Leu Gln Pro Gln Leu Ala Thr Met Asn
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Ser Leu Ala Cys Arg Gly Leu Asp Lys Leu Glu Glu Lys Leu Pro Phe
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Leu Gln Gln Pro Ser Glu Thr Val Val Thr Ser
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<223> X = any amino acid or stop code

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Ala Arg Cys Leu His Cys Leu Tyr Ser Cys His Trp Arg Lys Cys Pro

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			35			40					45				
Leu	Phe	Leu	Thr	Phe	Leu	Leu	Ser	Leu	Ser	Trp	Leu	Tyr	Ile	Gly	Leu
			50			55					60				
Val	Leu	Leu	Asn	Asp	Leu	His	Asn	Phe	Asn	Glu	Phe	Leu	Phe	Arg	Arg
			65			70				75			80		
Trp	Gly	His	Trp	Met	Asp	Trp	Ser	Leu	Ala	Phe	Leu	Leu	Val	Ile	Ser
			85				90					95			
Leu	Leu	Gly	Thr	Tyr	Ala	Ser	Leu	Leu	Leu	Val	Ala	Leu	Leu	Leu	
			100			105					110				
Arg	Leu	Cys	Arg	Gln	Pro	Leu	His	Leu	His	Ser	Leu	His	Lys	Val	Leu
			115			120			125						
Leu	Leu	Leu	Ile	Met	Leu	Leu	Val	Ala	Ala	Gly	Leu	Val	Gly	Leu	Asp
			130			135				140					
Ile	Gln	Trp	Gln	Gln	Glu	Arg	His	Ser	Leu	Arg	Val	Ser	Leu	Gln	Asp
			145			150			155			160			
Cys	Arg	Xaa	Leu	Xaa	Thr	Pro	Ala	Val	Arg	Pro	Xaa	Glu	Glu	Ser	Gly
			165			170				175					
Glu	Gly	His	Trp	Arg	Arg	Ala	His	Leu	Thr	Ser	Ser	Cys	Pro	Gln	Ala
			180			185				190					
Thr	Ala	Pro	Phe	Leu	His	Ile	Gly	Ala	Ala	Ala	Gly	Ile	Ala	Leu	Leu
			195			200				205					
Ala	Trp	Pro	Val	Ala	Asp	Thr	Phe	Tyr	Arg	Ile	His	Arg	Arg	Glu	Pro
			210			215				220					
Lys	Ile	Leu	Leu	Leu	Leu	Phe	Phe	Gly	Val	Val	Leu	Val	Ile	Tyr	
			225			230			235			240			
Leu	Ala	Pro	Leu	Cys	Ile	Ser	Ser	Pro	Cys	Ile	Met	Glu	Pro	Arg	Asp
			245			250			255						
Leu	Pro	Pro	Lys	Pro	Gly	Leu	Val	Gly	His	Arg	Gly	Ala	Pro	Met	Leu
			260			265			270						
Ala	Pro	Glu	Asn	Thr	Leu	Met	Ser	Leu	Arg	Lys	Thr	Ala	Glu	Cys	Gly
			275			280			285						
Ala	Thr	Val	Phe	Glu	Thr	Asp	Val	Met	Val	Ser	Ser	Asp	Gly	Val	Pro
			290			295			300						
Phe	Leu	Met	His	Asp	Glu	His	Leu	Ser	Arg	Thr	Thr	Asn	Val	Ala	Ser
			305			310			315			320			
Val	Phe	Pro	Thr	Arg	Ile	Thr	Ala	His	Ser	Ser					
			325			330			331						